MINING TORDENAL

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 1755.—Vol. XXXIX.

LONDON, SATURDAY, APRIL 10, 1869.

STAMPED ... SIXPENCE, UNSTAMPED .. FIVEPENCE

MR. JAMES CROFTS, STOCK AND SHAREBROKER,
No. 1, FINCH LANE, CORNHILL.

(Established 1842.)

Mr. CROFTS transacts business to the way of PURCHASE OF SALE of every description of stocks, but particularly BRITISH MINES, at net prices. All orders meet with the utmost punctuality, and advice given as to the nature and eligibility of INYESTMENTS when required.

The has risen again this week £6 a ton, which makes the advance within the last five weeks £23, and it is expected to rise yet higher. At the GREAT ROYALTON TIM MINE (Roche, Cornwall), in 4096 shares, 4 tons of tin will be raised per month, at a total cost of £30 per ton. Black the is now over £80, which will give a profit of upwards of £50 on every ton raised. The shares have risen to 128. 6d., and they must shortly rise to at least double or treble this price. The mine is situated at the head of the celebrated Goss Moors, from which millions worth of tin has been raised. Capt. Parkyn, the agent, writes—"The more I look into this valuable property the better I am pleased with it, and a great deal more than 4 tons of tin a month will be raised in a short time—when the shart is down. The fact is, these looks are the best work for tin I ever saw in all my experience, and cannot fail in yielding immense returns and profits. We have five lodes in the sett. The new lode, or what I call the great north lode, which I discovered since I saw you, is 6 ft. wide, containing splendid rich tin. It is the best property I ever saw."

Capt. Parkyn's report will be found in its place in this day's Journal.

| M R. JOHN BUMPUS, 44, THREADNEEDLE STREET, has FOR SALE the following shares, free of commission:—
| 100 Anglo-Brazillan, 98 9 | 20 Frank Mills, £3%4. 50 South Herodsfoot, 22s 70 Gen. Brazillan, 185 6d 10 Great Laxey, £19%4. 100 Chontales, 28s. 60 Don Pedro, £3%4 pm. 15 Barke Valley, £9%5. 60 East Grenville, £5%4. 50 No. Treskerby, 198 6d East Caradon, £7%5. 108 Forsker Mills, £8%5. 60 East Lovell, £9%6. 50 Prince of Wales, 238 9 East Lovell, £9%6. 50 Prince of Wales, 238 9 West Basset, £2%6. 50 Wonder, £17%6. 50 East Rosewarne, 78. 50 Frince of Wales, 238 9 West Basset, £2%6. 50 No. Treskerby, 198 6d 50 West Goolophin, 35s. 50 East Lovell, £9%6. 50 Prince of Wales, 238 9 West Basset, £2%6. 50 Wonder, £17%6. 50 West Goolophin, 55s. 50 Prince of Wales, 238 9 West Basset, £2%6. 50 Wonder, £17%6. 50 West Goolophin, 55s. 50 Prince of Wales, 238 9 West Basset, £2%6. 50 Wonder, £17%6. 50 West Goolophin, 55s. 50 Prince of Wales, 238 9 West Basset, £2%6. 50 Wonder, £27%6. 50 West Goolophin, 55s. 50 Prince of Wales, 238 9 West Basset, £2%6. 50 West Goolophin, 35s. 50 West Goolophin, 35s. 50 Prince of Wales, 238 9 West Basset, £2%6. 50 Wonder, £27%6. 50 West Goolophin, 35s. 50 Prince of Wales, 238 9 West Basset, £2%6. 50 Wonder, £27%6. 50 West Goolophin, 35s. 50 West Goolophin, 35s. 50 Prince of Wales, 238 9 West Basset, £2%6. 50 Wonder, £27%6. 50 West Goolophin, 35s. 50 West Gooloph

WILLIAM WA STOCK AND SHAREDBALER, No. 29, THREADNEEDLE STREET, LONDON, E.C. WARD,

MR. THOMAS SPARGO, STOCK AND SHAREDEALER, 224 & 225, GRESHAM HOUSE, OLD BROAD STREET, LONDON, E.C. JOHN RISLEY, (SWORN) STOCK AND SHAREBROKER, 48, THREADNEEDLE STREET, LONDON, E.C. Bankers: London and Westminster, Lothbury.

MR. THOMAS THOMPSON, MINING OFFICES, 12, OLD JEWRY CHAMBERS, LONDON, E.C.

M. JAMES HUME, STOCK AND SHAREDEALER,
4, OLD BROAD STREET, LONDON, E.C.

Has BUSINESS in—

74, OLD BROAD STREET, LONDON, E.C.

Has BUSINESS In—
20 Chiverton, £3%,
5 Wt. Chiverton, £514.
5 Buller, £19.
5 Uny, £4 1s.
10 Great Vor, £18
50 Crebor, 11s. 6d.
20 Last Grenville, £5163
20 North Treskerby, 19s.
Bankers: The London Joint-Stock Bank.

MR. J. H. COCK, STOCK AND MINING SHAREDEALER,
74, OLD BROAD STREET, LONDON, E.C.
Fifteen years' experience in Cornwall and London.
Business transacted in all the leading market mines, also in those requiring

negociation.

J. H. C., having visited Cornwall last week, is, from his sources of information, prepared to advise his clients what they should buy, sell, or avoid.

SPECIAL in the Great Northern Manganese Company (Limited), also in Boscean, New Lovell, Wheal Owles, South Condurrow, East Carn Brea, North Levant, and Ding Dong.

M. R. T. ROSEWARNE, 81, OLD BROAD STREET,
LONDON, E.C.
T. R. has BUSINESS in the following mines, at close market prices:—
Chlverton.
East Caradon. West Chiverton.
Devon Consols. Marke Valley. West Drake Walls.
East Bassett. Prince of Wales. Wheal Seton.
Without Buller shares should be bought, even at present prices; also, Bedford Consols, Bedford United, Chiverton Moor, East Caradon, and Tincroft.
I can advise the purchase of several mines which are safe for a great rise during the next nine months, and not high-priced shares; the chances are that for £10 investors may realise £100; as, if the machinery on the mines were sold to-morrow, it is worth nearly the money the shares are now selling at. I shall be glad to inform any parties who may call at my office from the hours of 10 to 4 the mines I have selected and their chances of success, as metals are likely to rise higher.
T. R. should be consulted immediately respecting Wheal Grenville, East Grenville, Chontales, and Don Pedro.
Money advanced to any extent on good mining shares.
Office hours Ten to Four. Bankers: Bank of England.

M. R. E. J. BARTLETT, STOCK AND SHAREDEALER,
No. 30, GREAT ST. HELEN'S, LONDON, E.C., has SPECIAL BUSINESS
in West Godolphin, Summer Hill, North Pool, South Condurrow, South Merllyn,
New Lovell, North Levant, Bryn Gwiog, East Rosswarne, East Lovell, Spearne
Moor, East Carn Brea, North Treskerby, Wheal Agar, Caldbeck Fells, Great
North Laxey, and South Darren.
BUYER of Spearn Moor, West Godolphin, and Great South Chiverton.
Holders of Stock difficult of sale in the open market may find purchasers on
peoplication to the above.

(April **SOUTH MERLLYN.**—See report published this day in these columns.

R. PIKE, from a long residence in the centre of the mining Market, is ENABLED to GIVE the SOUNDEST and MOST DISINTERESTED OPINION as to the intrinsic merits of every market mine.

Mr. PIKE has recently recommended several mines which have advanced from the to 100 per cent.; and many mines, from the improvement in the price of tin, which was only realising 255 per ton, is now making £75 per ton, must become very valuable. Investors would, therefore, find it to their advantage not to delay in obtaining Mr. PIKE's advice.

SPECIAL REPORTS may be had of Uny, Cook's K'tchen, West Frances, South Condurrow, West Basset, East Grenville, Great Vor, New Lovell, East Wheal Reeth, and the Blue Hills Mine. Also, Great South Tolgus.

3, Crown Chambers, Threadneedle-street, London, E.C.

M. R. WILLIAM MARLBOROUGH, 1, GREAT ST. HELEN'S, BISHOPSGATE STREET, LONDON, E.C. (Established 14 years), has FOR SALE the FOLLOWING SHARES, at net prices:—
60 Auglo-Brazilian, 8s 94
25 E. Cara Brea, 8s, 3d, 15 Rosewall Hill, 29s 3d
26 Brynpostig, 32s, 9d, 25 Bedford Con, 13s, 9d, 20 Gen, Braz., 4s 4d pm, 35 So. Condurrow, 31s, 9d, 20 Gen, Braz., 4s 4d pm, 35 So. Condurrow, 31s, 9d, 20 Gen, Braz., 4s 4d pm, 35 So. Condurrow, 31s, 9d, 20 Gen, Braz., 4s 4d pm, 35 So. Condurrow, 31s, 9d, 20 Containe, 29s, 6d, 10 No. Levant, £139, 45 Tincroft, £19%, 20 North Crofty, 22s, 3d, 50 Tamar Valley, 13s, 9d, 20 North Crofty, 22s, 3d, 50 Tamar Valley, 13s, 9d, 20 Pestarena, 23s, 9d, 25 West Chiverton, £511, 25 West Chiverton

MR. GEORGE BUDGE, STOCK AND SHAREDEALER,
No. 4, ROYAL EXCHANGE BULDINGS, LONDON, K.C. (Established
30 years), is a SELLER at net prices of :—
100 Great Sonth Chiverton; 30 Drake Walls, 28s.; 50 Great South Tolgus, 25s. 6d.;
100 Gwydyr Park, 4s.; 75 Redmoor, 5s. 6d.; 5 Polberrow; 3 Wheal Seton, 27s;
50 South Condurrow, 33s.; 110 Lovell Consols, 16s. 3d.; 30 East Grenville,
45 18s. 9d.; 65 Tamar Valley, 11s. 9d.; 115 Bedford Consols, 15s. 7d.; 35 Prince
of Wales, 23s. 6d.; 50 North Jane, 12s. 6d.; 30 Colquite and Callington, 62%;
100 South Grenville, 5s. 9d.; 16 North Treskerby, 19s. 9d.; 55 North Downs,
11s. 9d; 60 West Basset, 42s.; 5 West Caradon, £5½; Wheal Mary Florence, 20s.;
200 Taquaril; 75 General Brazillan; 120 Frontino and Bolivia, 12s.; 120 AngloBrazillan.

Brazilian.

SPECIAL BUSINESS in the Van Mine and Tin Valley.

Under this head, in my advertisement in the Mining Journal of 13th February, 1869, when shares were at £12, I stated that my "Weekly Mining Circular and Share List" of the day previous (12th February) contained Important Information respecting the Prospects of this Mine, and as to the Present and Future Profits, &c. I strongly recommended an immediate purchase of the shares, as the Dividends would likely be increased, and the shares have a great rise.

Since this appeared shares have gradually risen to £20.

My "Weekly Mining Circular and Share List." of yesterday (9th April), contains some further Important Information on the Mine, and Istill strongly recommend an immediate purchase of the shares, as they are likely soon to have a further considerable rise, if they do not even double their present price.

PETER WATSON, STOCK AND SHAREDEALER.

PETER WATSON, STOCK AND SHAREDEALER, 79, OLD BROAD STREET, LONDON.

ORNISH AND FOREIGN MINES—
TO SHAREHOLDERS AND OTHERS.
PETER WATSON'S "WEEKLY MINING CIRCULAR AND SHARE LIST—
SYNOPSIS OF CORNISH AND DEVON MINES," of Friday, April 9, No. 227,
Vol. XI., price 6d. each copy, forwarded on application, contains information on the following mines:—
Wheal Many April 2017

Wheal Jane. Wheal Margaret. Trumpet Consols. St. Ives Consols. Providence.

Wheal Mary Ann. Herodsfoot. Cwm Erfin. Foxdale. Ding Dong.
East Lovell.
Botallack.
West Frances.
Dolcoath.

Great Western.
New Wheal Lovell.
Chiverton.
Minera.
Cwymstwith.
East Darren.
West Chiverton.
Great Laxey.
The Van.

Drake Walls. West Frances. Great Lazey.
West Caradon. Dolcoath. The Van.
Lisburne. West Great Work.
Whith a Special Notice on Great Wheal Vor, and full particulars of the Great
Rock Lead Mine. Prospectuses of this company, with forms of application and
reports, will be ready early next week, and may be had on application.

INVESTMENT OR SPECULATION.—A SELECTED LIST OF RAILWAYS, BANKS, MINES, COLONIAL SECURITIES, FOREIGN GOVERNMENT BONDS, &c., forwarded to bona fide investors on application, in addition to the high rate of interest many of the above are paying, there is now every probability of a great rise in market value.

now every probability of a great rise in market value.

PETER WATSON, STOCK AND SHAREDEALER,
79, OLD BROAD STREET, LONDON
(three doors only from Hercules-passage, entrance to the Stock Exchange).
Twenty-four years' experience.
(Two in Cornwall and Twenty-two in London.)
Bankers: The Alliance Bank, and the Union Bank of London.
References given and required (when necessary) in all the principal towns of the United Kingdom.

THE LONDON DAILY RECORD—STOCK AND SHARE LIST—STOCK EXCHANGE SECURITIES. Published every evening at 50'clock. It contains the latest prices of railways, banks, mines, foreign stocks and bonds, financial, insurance, and miscellaneous shares, remarks on the daily rise and fall in prices, with advice as to purchase and sales. Annual subscription, £1 is.; by post, £2 5s.; monthly subscription—by post, 4s.; single copy, 1d.; by post, £4.

y post, 2d. Peren Warson, Stock and Sharedealer, 79, Old Broad-street, London.

M R. E D W A R D C O O K E,
STOCK AND MINING SHAREDEALER, 76, OLD BROAD STREET
(and Mining Exchange), LONDON, E.C.
Shares in all the dividend and best progressive British mines dealt in.
The prospectus of the Great Rock Lead Mine to be had on application.
References given.
Price-list sent free on application.
Bankers: Alliance Bank.

 $\mathbf{M}^{-\mathbf{R}}$. W . H . C U E L No. 42, CORNHILL, LONDON, E.C.

MR. J. B. REYNOLDS, STOCK AND SHAREDEALER, ETHELBURGA HOUSE, BISHOPSGATE STREET WITHIN, E.C., Established Eleven Years.

Bankers: City Bank, London, E.C.

MR. JOHN MOSS, STOCK AND SHAREDEALER, ST. MICHAEL'S CHAMBERS, 42, CORNHILL, E.C. Business as BUYER or SELLER in Frontino, Chontales, Don Pedro, General Brazilian, and Taquaril Gold shares. Bankers: City Bank, Finch-lane, E.C.

MR. WILLIAM SEWARD, STOCK AND MINING SHARE BROKER, 19, THROGMORTON STREET, LONDON, E.C. Every description of shares BOUGHT and SOLD at the best market prices.

MATTHEW GREENE, STOCK AND SHAREDEALER,
14, PINNER'S HALL, OLD BROAD STREET, LONDON, E.C.,
BUYS and SELLS Consols, Railway and Mining Shares at the closest
market prices. Daily Price Lists on application.
HORRABRIDGE CONSOLS.—Mr. GREENE recommends immediate applications
for shares in this highly-promising tin mine. A limited number of shares can
be secured on application to Mr. GREENE.
VAN MINE AND DISTRICT.—M. G. is in a position to give reliable information, having conducted for years past mining operations in this rich lead-bearing
county.

tion, having conducted for years pass mining special county.

WHEAL ARGENT SILVER AND COPPER MINE, in \$400 shares.—M. G. has FOR SALE a limited number of shares. This mine has made a profit of 50 per cent, on the last eight months' working, and during the last month has wonderfully improved. Capt. Gifford, the manager of Prince of Wales, in his report of the latter mine (see Mining Journal of the 13th inst., page 186) says—"I have, in company with my son, been over the south part of your set on the silver lode, from which at the neighbouring mine, South Prince of Wales (Wheal Argent), was raised and sold during the last three months £400 worth of silver, at a cost not exceeding £50.

not exceeding \$50.

TAMAR VALLEY SILVER-LEAD and New Clifford Copper Mines are both looking well. See reports in this day's Journal.

Established Twelve Years.—Twenty-four Years' Experience M. F. W. MANSELL, 44, THREADNEEDLE STREET, LONDON, has the following SHARES FOR SALE, for cash or account.

at net prices:

20 Chiverton, £3%.

15 Gook Kitenen, £17% | 15 Marke Valley, £9%.

50 Drake Walls, 23s. 3d.

75 New Lovell, £2 13s 9d | 150 Tamar Valley, 12s. 6d | 50 East Caradon, £27%.

90 North Downs.

(call paid).

10 East Lovell, £9%.

50 North Crofty, £%.

50 Kot Chotales, £1 10s. 9d.

20 Gt. Laxey, £19%.

Shares may be bought for future payment. Every facility afforded.

South Condunatow.—No time should be lost in the purchase of these shares. Every information may be had on application.

Bankers: London Joint Stock Bank.

INVESTMENT, LOAN, AND BANK AGENCY.

Established 1839.

Every information afforded to Capitalists, Trustees, and others who seek Investments of a strictly eligible and safe character.

Investments may be effected in Foreign Stocks, Colonial Bonds, Railway, Mine, and other Shares, subject to quarterly, half-yearly, or annual payments, upon advantageous terms. pon advantageous terms. LOANS granted, for one year or any shorter period, on Stocks and Shares

laving a market value.
Five per cent, interest allowed upon DEPOSITS of all amounts.
Money and Finance Agency Business generally undertaken.
RICHARD TAYLOR AND COMPANY.
No. 12, Clement's-lane, Lombard-street, London, E.C.

G OLD AND SILVER MINING SHARES.—
RICHARD TAYLOR AND COMPANY are DEALERS in the FOLLOWING SHARES at close market prices, free of commission, either for cash or

NG STARRES AR COUSE BRILES PROST, AND OF STARRES ARE COUNTY A. ANGLO-BRAZILIAN. FRONTINO AND BOLIVIA. ROSSA GRANDE. ANGLO-BRAZILIAN. GENERAL BRAZILIAN. SAO VICENTE. ST. JOHN DEL REY. DON PEDRO. POBT PHILLIP. TAQUARIL. UNITED MEXICAN. DON PEDRO. PORT PHILLIP. TAQUE Investment, Loan and Bank Agency, UNI
No. 12, Clement's-lane, Lombard-street, London, E.C.

M. B. T. P. THOMAS, MINING AGENT,
17, OLD BROAD STREET, LONDON.
Lead mining in the Counties of Cardigan and Montgomery has lately been very successful, and likely to continue so.
T. P. Thomas, having a thorough knowledge of these districts, is at all times prepared to make SELECTIONS for investors.
T. P. Thomas having secured a very valuable mineral property in Cardiganshire, which he can confidently recommend, is prepared to receive applications from respectable parties disposed to join in working the same. Further particulars to be had upon application.
The ore being already discovered, and sufficient to make immediate and permanent returns, no public prospectus will be advertised.

M R. C H A R L E S T H O M A S, MINING AGENT, GENERAL SHAREDEALER, AND AUCTIONEER, 3, GREAT ST. HELEN'S, LONDON, E.C.

Third Edition, price One Shilling; post-free, fourteen stamps, Third Edition, price One Shifting; post-free, fourteen stamps,

MINING FIELDS OF THE WEST:

A PRACTICAL EXPOSITION OF THE

PRINCIPAL MINES and MINING DISTRICTS OF CORNWALL and DEVON.

Published by CHARLES THOMAS,

At No. 3, Great St. Helen's, London, E.C.

DIVIDENDS 10 to 20 PER CENT.

Read SHARP'S INVESTMENT CIRCULAR (post free).
The April number now ready.
It contains all the best paying and safest Stock and Share Investments of the day. CAPITALISTS, SHAREHOLDERS, INVESTORS
Will find the above Investment Circular a safe, valuable, and reliable guide.

Safe Investments In—
ENGLISH RAILWAYS.
FOREIGN RAILWAYS.
COLONIAL SECURITIES.
RAILWAY DEBENTURES, &c.
BANK SHARES. ks and Shares of every description bo

Safe Investments in—
Safe Investments in—
AMERICAN SECURITIES.
INSURANCE SHARRS.
FOREIGN LOANS, BONDS, &c.
BRITISH and FOREIGN MINES,
MISCELLANEOUS SHARES, &c.
bought and sold at the closest market

Stocks and Shares of every description began and Share Brokers.

GRANVILLE SHARP AND CO., Stock and Share Brokers.

Offices, 32, Ponitry, London, E.C.

SPECIAL BUSINESS in the following mines:—

Trumpet Consols. Wheal Jane. New Seton.

Nangiles.

North Jane. Nangiles.

Bankers: London and Westminster, Lothbury, London, E.C.

н. L A N Y O N, \mathbf{M}^{R} . (Late of Kennall Gunpowder Company) GUNPOWDER MERCHANT, TRURO.

PARTLETT AND CHAPMAN, STOCK AND
SHAREDEALERS,
TRANSACTS BUSINESS in every description of Stocks and Shares, at the
closest market prices, free of commission, and can well advise as to the sale or
purchase of Raliways, Mines, Banks, &c.
And are in a position to give special and trustworthy information as to the
present condition and future prospects of Lovell Consols, Tin Valley, Wheal
Jane, West Chiverton, North Jane, Great South Chiverton, and the Providence
Mines.

Mines.

Application for Tin Valley shares should be made without delay. We have a limited number for disposal at 20s. each. A substantial and speedy rise in the price of these shares may be confidently anticipated.

Baukers: London and Westminster, and Alliance.

Offices, No. 2, Bucklersbury.

BARTLETT AND CHAPMAN'S "INVESTMENT CIRCULAR AND FINANCIAL RECORD"

(Published on the first Wednesday in each month)

Comprises—A Comprehensive Review of the Stock, Share, and Money Markets; an Enumeration and Comparison of the Whole Circle of Investments; and Valuable Suggestions for Purchase or Sale.

** Sent free on application.

2, Bucklersbury, London. E.C.

MR. HENRY MANSELL, 44, THREADNEEDLE STREET,
10 Chiverton Moor, £3½.
10 Cherton Moor, £3½.
10 East Grenville, £5½.
50 East Grenville, £5½.
50 Choudurfow, £28.
50 Choudurfow, £28.
50 Choudurfow, £28.
50 Choudurfow, £28.
50 New Lovell, £2½.
50 Great Western, £2 1 3 75 No. Treskerby, 198 6d

M. R. C. A. POWELL, BRITISH AND FOREIGN STOCK AND SHAREDEALER, No. 1, PINNER'S COURT, OLD BROAD STREET, Business transacted in every description of negociable securities at market purious.

prices.

BUYERS or SELLERS of Frontino, Chontales, Don Pedro, St. John del Rey,
Pestarena, General Brazilian, Taquarli, Wheal Uny, Penhalls, Prince of Wales,
Brynpoetig, Mid-Wales, or North Treskerby shares can be dealt with advantegropoly.

Brynpostig, Mid-Wales, or North Treskerby shares can be dealt with advantagously.

WANTED an offer for 50 or 100 8t. Just Amalgamated.

During the week a large business has been transacted in Frontino shares, at prices varying from 18s. 6d. to 20s. The market closes firm. I am informed that the next remittance of gold, due end of present month, is expected to be fully 700 css., which will leave a profit of at least 600t, on the month's operations. It must not be forgotten that five months since the loss was 200t, on the month, and that the present satisfactory position of affairs is the consequence of a steadily improving return. The average profit (as per above estimate) from the mines will have been in round numbers 450t, for the three months. It is unquestionable that the mines are in a far better position now than when shares were being eagerly bought at 3 to 3½ prem. Should the directors anticipations of even increased monthly returns be realised, I see no reason why they should not command a market value of at least par (37s. 6d.) within a short period.

Business transacted at net prices.

References exchanged.

M. G. D. SANDY, STOCK AND SHAREDEALER, 48, THREADNEEDLE STREET, LONDON, E.O. Daily Price List on application post free. References exchanged.

INTENDING INVESTORS.—The "FINANCIAL GAZETTE,"
published by Mr. Y. CHRISTIAN, should be consulted with a VIEW to
the SAFE EMPLOYMENT of CAPITAL. It contains original Articles, a Re cent., and such information as is necessary to guide intending investors.

6, Bond-court, Mansion House, London, E.C.
Bankers: Bank of England.

BUYERS AND SELLERS OF BRYNPOSTIC SHARES G. R. ROSS AND CO., 26. NICHOLAS LANE, LOMBARD STREET.

CHONTALES GOLD COMPANY.—FULL PARTICULARS of the DIFFERENT CLASSES of SHARES can be obtained on application to Mr. J. H. Murchison, No. 8, Austinfriars, E.C.

LEAD MINES AS AN INVESTMENT.

MR. J. H. MURCHISON will shortly publish a PAMPHLET on the "LEAD MINES OF CARDIGANSHIRE AND MONTGOMERY-SHIRE," — districts comprising Van, DYLIFFE, LISBURNE, EAST DARBEN, SOUTH DARBEN, and other important Mines. Price de. In the meantime, orders for early copies may be sent to Mr. MURCHISON, at his office, 8, Austinfriars, London; and information will also be given relitative to Mines in the above districts to anyone wishing and applying for the Darmot.

MESSRS. A. STUART AND CO., STOCK AND SHARRDEALERS, 33, BISHOPSGATE STREET WITHIN, ACTION of a favourable position to deal in all foreign gold and sliver mining companies. In Cornish and Devon tin mines we think everyging is very favorable for increased dividends, and a great rise is price of some shares. Weshall be happy to forward on an after April 20 our circular of "Profitable Facta", post free.

Oniginal Connespondence.

HYDRO-CARBON FOR SMELTING.

SIR,—A communication appeared in the Mining Journal of March 27, "On Alleged Improvements in the Use of Hydro-Carbon Fluids in Combination with Superheated Steam for the Purpose of Smelting and Working Metals," &c., said to be provisionally specified by Mr. Paul R. Hodge, the patent agent. Seeing by the date of my list of patents provisionally registered that it was about eight months ago, I find that there is up to this time no completed specification for the said "provisional one." said "provisional one.

Being myself at this moment professionally engaged about the construction of works for, amongst other applications, the same objects, and having been required to investigate patents long since specified both in England and abroad, I can pledge myself to the fact that all the particular applications, elementary materials, and processes for the objects alluded to in the Journal of last week—i.e., for combination of gas or coal tar, naphtha petroleum or any of their that all the particular applications, elementary materials, and processes for the objects alluded to in the Journal of last week—i.e., for combination of gas, or coal tar, naphtha, petroleum, or any of their combinations, to be used separately or combinedly, and rendered fluid by heat or otherwise, and moreover used in combination with superheated stam through and by means of compound jets, wherein the steam and hydro-carbons are brought together at the same time and in their proper equivalents to produce proper combustion, and that, too, by self-regulating equivalent instruments—was already patented long before Mr. Hodge's provisional specification, and it is curious that amongst the special arrangements of the patents which I have referred to that for smelting or melting purposes for any of the metals, the compound jets are inserted in combination with, or in close proximity to, the tuyere-holes or blast, or separate apertures made specially for these jets, so that the flame and heat arising from the combination and combustion of any of those elements may be united and commingled with any other combustible of a cupola, reverberatory, or other furnace, so as to reduce the charge; and, moreover, that in the patents I am engaged about, and which were before Mr. Hodge, it is rather curious those same compound jets were also used, amongst other special applications, for smelting, melting, or refining the metals, either in the said cupolas or any furnace for any manipulations of the metals with the hydro-carbon jets with the use of injectors for the distribution of jets, and impinging them on to the metals, to produce and regulate the heat throughout those or any furnaces, and wherein they are made applicable for calcination of ores and manipulation of glass siliceous clays. Ex funo dare lucem, Duke-street, Westminster, April 7. Duke-street, Westminster, April 7.

COAL-CUTTING MACHINERY.

COAL-CUTTING MACHINERY.

SIR,—Referring to the article on Coal-Cutting Machines in the Journal of March 27, I may observe your correspondent omitted to give the names of the inventors of the successful coal-cutting machine; Messrs. Firth and Donisthorpe's works were mentioned as the "premier" place, where the early machine was first successfully worked, but did not say that those gentlemen were the inventors. I will endeavour to put this matter in its proper form, so that your readers may know fully the facts, especially as Mr. Firth in his reply also withholds information on that point. He (Mr. Firth) makes one just and very true remark, that "sauguine inventors are always going to do something wonderful, but they often miscarry." I know of no instance where those remarks are so applicable as to some of the would-be mining engineers and improvers of coal-cutting machinery. I could give many instances. I hope Mr. Firth will not misunderstand me, and think I intend to apply this to himself. I do not, because I never considered him to be a sanguine inventor, although we find his name in the Blue Books. Mr. Firth appears to wish your readers to understand the wonderfully increased value of the machine during the last six months. I presume by his improvewish your readers to understand the wonderfully increased value of the machine during the last six months. I presume by his improvements ("Firth's patents") being "incorporated" upon the "original invention;" but I must acknowledge I cannot see the improvement, for we find in the English Mechanic of April, 1865, a lengthy paragraph, stating one machine to be capable of cutting "100 yards per eight hours." This is at the rate of more than 1000 tons per week. Again, in Good Words of April, 1864, the machine is said to be doing work at the rate of "15 to 20 yards per hour." And even as far back as 1862 we find, if I mistake not, a statement in the Leeds Times of the machine "cutting a groove 18 in. deep, for a length of 9 yards, in 15 minutes." This will not be much short of 1000 tons per week; and now, in March, 1869, we are informed that two machines are cutting 1000 tons a-week, after the improvements ("Firth's patents"). Certainly we are told that this is not "the limit of their capacity." Why not? Are they allowed to work to their extent? Be this as it may, it is some satisfaction to the colliery owner, the working collier, and the inventors to know that the getting of coal by machinery is may, it is some satisfaction to the colliery owner, the working collier and the inventors to know that the getting of coal by machinery is nplished fact

But to return to the point-that is, the inventors of this original successful coal-outting machine—I can say with truth that I was the originator of the machine at the West Ardsley Colliery; and I can say, without fear of contradiction, that the late Mr. Ridley and I invented the first coal-outting machine put to work with success at the above colliery, and we also successfully applied the motive-power machinery which is so well adapted for underground work, and has since almost come into general use. I might also add that it was from the above arrangement of air-compressing machinery it was from the above arrangement of air-compressing machinery that Mr. Jones took the advantage.

J. ROTHERY. Leeds, April 5.

HAULAGE OF COAL AND TRANSPORT OF MINERAL.

HAULAGE OF COAL AND TRANSPORT OF MINERAL.

SIR,—Upon two occasions during the present year you have prominently alluded to the economic removal of mineral—I refer to your comments on the report of the Tail-Rope Committee appointed by the North of England Institute of Mining Engineers, and to your report of the Wire-Rope Transport System invented by Mr. Hodgson—and I think much advantage would result to the mining interest generally if the subject were further considered. From the close connection between the question investigated by the Tail-Rope Committee and that involved in Mr. Hodgson's invention, it would be most desirable if the members of the Tail-Rope Committee could be induced to take the further trouble to investigate and report upon the working of the system of wire-rope transport. For my own part, Induced to take the further trouble to investigate and report upon the working of the system of wire-rope transport. For my own part, I think your reporter has traced the connection of the traction on rails and suspended traction systems rather too closely, but I admit that there is ample room for doubt in this direction—the connection may be closer than we suppose. He states that, with the exception of the method of passing the points of support, the chief feature in Mr. Hodgson's invention, and that which gives it its great value, both for novelty and practical utility, is "the use of a travelling rops, which carries the load;" these recommendations the double-rope system does not appear to possess. And, after stating the durability of a rope used for suspended traction to be from three to four years, according to quality, he expresses the rather bold opinion that this arrangement would likewise admit of branch tramways, just as the coals are led from branches in the colliery in question and else-where in the same district—facilities which it would be very desirble to possess when several mines are worked by one company, and ne ore has all to be taken to one shipping-port.

At present we are alike unable to prove or disprove these asser-

At present we are alike unable to prove or disprove these assertions, but they give rise to many important questions, the replies to which might materially vary the opinions entertained as to the most economic mode of conveying minerals at surface—for it is obvious that neither your reporter nor anyone else supposes that suspended traction would be applicable underground, and that the comparison with underground systems of traction is simply with reference to the mode of moving the load. Now, we know that the co-efficient of friction is only about one three-hundredth of the weight of the load upon level rails, and one-thirtieth of the weight of the load on common roads, so that a lode which can be moved by a pressure of 70 lbs. upon a level railway will require a pressure of 700 lbs. upon a common road. But in both cases the load is supported by a body (the rails or the road, as the case may be) outside the force of traction; consequently, the number of pounds pressure mentioned would remasquently, the number of pounds pressure mentioned would re-ove a load of nearly 10 tons. If, then, the advantage of suspended totion be "the use of a travelling-rope which carries the load," I ould be glad to learn whether the 2 tons would still be moved by

the application of similar pressure, or whether the traction would be increased to the weight of the load. Of course, I do not presume that it would be, but it would be interesting to know how much additional traction-power would be requisite. Another point of importance is the strength of the rope; it would be interesting to know how many separate loads of 2 cwts. each (carriage and contents) could be supported on a rope which would break on the application of a single weight of 2 tons. The answer would certainly be more than 20, because the load is distributed, but would it be much more? The single weight of 2 tons. The answer would certainly be more than 20, because the load is distributed, but would it be much more? The supports are numerous, no doubt; but the rope runs freely over them, so that it is not divided into a series of separate short lengths, as in the case of a suspension-bridge. The very many questions such as these which arise could only be satisfactorily answered by such an investigation as was made by the Tail-Rope Committee. I am inclined to accept the view that the system of transport on the traction-rope is that which is the more worthy, but this appears to me to be likely to limit the weight carried to about 3 cwts. (carriage and contents), which would prevent its adoption for either coal or general transport purposes, though it would not at all affect its use for the carriage of ores, as it would be quite as convenient to carry them in quantities of 1 cwt. as of 1 ton, provided an equal quantity were passed over the line in the course of the day. I have not seen it announced by Mr. Hodgson, but should be glad to know the maximum weight that he could convey over a line of (say) 10 miles, with a rope of 3 in. circumference, and the size of the engine that would be required to work such a line. I presume by this time the system has been adopted by some mine, and I should be especially glad to learn, through the Journal, the absolute cost and all other details concerning it.—Durham, April 3. -Durham, April 3.

VERTICAL MINERAL SEAMS.

SIR,—I am desirous of opening out mining operations on a seam 3 ft. thick, as nearly vertical as possible for 100 ft. above level, and enclosed on either side in gneiss. Can any of your readers refer me to any published books treating on this subject? If they would do so I should feel obliged by this information through your columns.

VERTICAL.

MINING, AND THE PRESENT POSITION OF THE METAL MARKET-No. VII.

MARKET—No. VII.

SIR,—The very great advance in the price of tin naturally calls attention to our mining industry and investment in British mining undertakings. The progress and retrogression of prices in tin during a number of years are both remarkable and instructive. In the midst of the great panic you did me the honour to insert a letter in which this paragraph occurs—"The prices of tin and copper have fallen to such a degree as to create a desponding influence upon all classes of persons engaged in the enterprise and commerce they open up. In six years the price of metallic tin has fallen from 1361. to 661, per ton. This depreciation is unprecedented in the tin trade, or in that of any other mineral product in Great Britain. Black tin in June, 1866, was not worth in the market half what it was in June, 1860." In that letter I showed the causes of the depreciation. They were these—a very great augmentation in the tin produce of Cornwall, the companies anxious to compensate themselves for the low price by a large quantity, which, however it may have served individuals protempore, made lead worse as to the market value; in fact, as I then observed, "the more rapid the increase the more rapid the decline." Foreign competition was another of the causes than at work; that came from one great source of supply—the Straits settlements of the Dutch, which, although not the only region productive of the metal.

s tempore, made lead worse as to the market value; in fact, as I then observed, "the more rapid the increase the more rapid the decline." Foreign competition was another of the causes then at work; that came from one great source of supply—the Straits settlements of the Dutch, which, although not the only region productive of the metal, is far more so than is found anywhere else. There is probably tin in India, Paraguay, and Mexico; and in South-West Northern America there is undoubtedly some, but the great Eastern Archipelago is, and for long will be, the great source of foreign supply. To meet the competition in 1865 Cornwall sent very nearly half as much more to market as in 1860. A third cause, not then dwelt on by me, of the cheapness of the commodity was the panic and the temporary dearness of money, which political economists tell us—no especial circumstance obtruding its influence—will cheapne commodities.

About the same period I called the attention of your readers to the fact that copper had receded from 1051, per ton in 1860 to 831. in June, 1866, although in 1885 only 189,409 tons were produced, as a compared with 236,696 in 1860. I ventured to say, in several subsequent letters while the financial panic was still oppressive, that the price of tin would rise, and that a few years would see that splendid industry buoyant as ever. I also ventured to express the belief that all existing forces portended depressed rates for copper. Of lead, which held up well, I expressed the conviction that it would still hold well through the financial storm then raging, and that in Cornwall, Cardigan, Mona, and Ireland lead mines would be highly remunerative, and a good investment. I am neither a prophet nor the son of a prophet, but happily of tin and lead may predictions came to pass, and as unhappily those of copper proved too true.

Now, Sir, let us look at the causes of the present high values of tin. One of these undoubtedly is that the companies found out the fact that over-productiondid not help them, and as can produce. Travellers tell us that there is no animal so ferocious as Bruin half starved, and that when he has piled plenty of grease under his brown coat, now all the fashion, he licks his lips and takes a doze almost long enough for hybernation. It is to be hoped, then, that the "bears" have prowled elsewhere long enough to "lay it on thick," and that they will now sleep as many winks as will relieve the mining market for a long time from their presence. The decrease in the supply of Straits tin has also had its share in the present good prices. The Dutch sales have been greatly reduced, and in proportion prices have gone up. Hitherto the tin of the great Archipelago has been surface; now the operations of more laborious and scientific mining are required.

has been surrace; now an opticific mining are required.

It is, however, likely that there are beds of tin in various directions undiscovered. "The Malay Archipelago" (as it has of late hear more frequently called) stretches away between India and Austractions are if at some retraila. It would appear from various phenomena as if at some remote geological period these two continents were one; at all events, one portion of the intervening island was joined to Asia, and the other to Australia. Australia may be considered, in fact, as part of the island group extending to the uttermost range of that system. The Malay Archipelago extends about 4000 miles east and west, and 1300 miles porth and couth. It comprises many large and splendid the Banks Archipelago extends about The Malay Archipelago extends about 1300 miles north and south. It comprises many large and spielar islands and islets, too numerous easily to compute. The English flag floats at either end, on the point of the Malay Peninsula, together with Banca and the remotest point of Australia. It is likely that tin will be found in various places dotting these insular regions, especially in those of the group where the Dutchmen find it. The English had the opportunity of holding all the islands peopled by 16,000,000, over which the Batavian standard waves; but, in spite of Sir Stamford Raffles' counsels and protests, a ministry ignorant of Sir Stamford Raffles' counsels and protests, a ministry ignorant of Sir Stamford Raffles' counsels and protests, a ministry ignorant of their value conceded to the Datch "the noble estate." From all the evidence yet adduced, the conditions and circumstances associated with tin already discovered exist elsewhere in the Dutch and other islands. The use of the metal is becoming more general all over the world, from a belief in its healthiness, its remarkable cleanliness and its refined and tastful appearance. The axisting mines liness, and its refined and tasteful appearance. The existing r of the world will, of course, be exhausted—a mine, any more other mundane things, cannot last forever. The existing mines

At present, and for a long time to come, there is, and will be, fine scope for investment in mines yielding this product; as there is also, and with every probability of a long future, for investment in British lead mines. We have before shown that there are no better, safer, more remunerative investments. It has been lately said in your columns that tin has advanced 40 per cent. in value; if you compute from July, 1866, in two years and eight months it has risen 60 per cent. I shall, with your permission, in a future letter give some reasons and comparisons justifying the assertion that no more hopeful enterprise is open to honourable adventure than investment in the tin mines of Cornwall and lead mines of Cardiganshire.

Gresham House, Old Broad-street.

THOMAS SPARGO.

COPPER MINING ON LAKE SUPERIOR.

COPPER MINING ON LAKE SUPERIOR,

SIR,—A few items of news from Lake Superior may not at this time be uninstructive to your readers. Ere this you must be aware that the Copper Tariff Bill, imposing a duty of 5 cents per pound on imported ingot copper, though vetoed by the late President, has become the law of the United States. Though not a very strong advocate of a protective policy, I am free to confess that I see no chance for the Lake Superior mines collectively had not this been adopted. Consuming as the mines are large amounts of supplies that are protected—in short, situated in a country where protection is the rule—it was unfair that the copper mining interest should be shut out and deprived of the advantages, real or seeming, which result therefrom

it was unfair that the copper mining interest should be shut out and deprived of the advantages, real or seeming, which result therefrom The tariff, combined with a more active demand for copper, has caused an advance in price. The average of the past year has been about 24 cents; ingot is now quoted at 27 and 27½ cents per pound. Copper men are, in consequence, feeling better, and people in this region are looking for more active times. In a former communication I stated that during the last two years at least one-third of the working force had left Lake Superior. The more sanguine think now that these will immediately be wanted back, and large numbers beside. Miners are looking for good times, there being scarcely a mine on the Lake but what could employ more men if they were to be obtained. Wages will probably advance, although at present there seems to be a disposition to adhere to current rates.

Besides the improvement in the price of copper, another important

be obtained. Wages will proparty advance, attnough at present there seems to be a disposition to adhere to current rates.

Besides the improvement in the price of copper, another important matter will tend to help the mines of the region. The year 1867 was pre-eminently a year of assessments, from two to three millions of dollars having been called from the stockholders: 1868 has been comparatively easy, not one-fifth the amount being called that was required during the previous year; and though no new mines have entered the dividend list, yet there is a certainty that some must pay heavily during the current year. It is difficult to get capital into a country where nearly all the mines at work pay nothing in the shape of dividends. Although it may be true that indications of riches are scattered broadcast around, but get a few substantial dividends and public attention is attracted, and public opinion, if necessary, is changed, so as to accord with circumstances. Still another encouraging feature might be named: improvements have taken place in several of the mines, which will enable them to materially increase their respective products during the coming season. I might name one or two mines, but will defer doing so until I write again, when I will deal more with particulars.

will deal more with particulars.

The winter so far has been, on the whole, very mild, and, for Lake Superior, pleasant. The last week has been the coldest for the season: until the last teu days very little ice was visible on the Lake, and the snow-fall has been moderate, there being in the woods a depth of about 4 feet.

MINER.

Keweenaw County, Michigan, March 10.

TIN AND COPPER MINES IN CORNWALL.

SIR,—One extreme is said invariably to produce another. Such is the fact with the price of tin. The American war, followed by the panic of the year 1866, caused the suspension, owing to the great and ruinous fall in the price of tin, of about 100 mines, probably, in the county of Cornwall. The immense supplies of tin from the Island of Banca led to the market being overstocked for a time, and down went the price of tin, from 90% per ton in the ore to about 44%. Extremes cannot last any great length of time. Consumers of every article invariably hold back from purchasing until their stocks are nearly exhausted. Such, no doubt, has been the case latterly with tin. The advance in Holland last week of 10% or 12% per ton at the half-yearly sale of tin rather astonished the world, but when it takes usually from five to seven years to fairly open up a mine, this advance cannot be wondered at. Now that the presidential matter in America is settled, and the choice of that official seems to give general satisfaction, we may fairly hope for a continuance of remunerating prices for some years to come, as America is doubtless the best and greatest market for our tin.

rating prices for some years to come, as America is doubtless the best and greatest market for our tin.

The extraordinary quantity of copper exported to this country from Chili, Cuba, Australia, and one or two other countries during the last 20 years completely overstocked all the European markets, causing the suspension of many of our deepest and poorest mines in Cornwall and Devon. New countries have one great advantage over old—the mineral is found to exist in immense quantities near the surface, and generally of much greater percentage. To meet the increasing competition of the world, the future royalty or dues must be less, or little if any capital will find its way into the West to invest in any new speculations.

Old and exhausted mines seldom pay to re-open. The attention of capitalists should be directed to the searching for new mines, which invariably pay best; and doubtless there are many good and profitable mines yet to be discovered in many parts of Great Britain. Neither the mines in Chili or Cuba, from recent accounts, have paid as an investment of late years, owing, in the first place, to the great fall in the price of copper; secondly, to the decline in the percentage of the minerals; and, thirdly, to the increase of expenses in working the mines.—Penzance, April 5.

A. BENNETT.

LEAD MINING IN FLINTSHIRE.

SIR,—Your correspondent, Luther Martin, who, I suppose, is deeply interested in the advocacy of those generally unfortunate schemes, the interested in the advocacy of those generally unfortunate schemes, the resuscitation of abandoned concerns, and morbidly sensitive to any facts that tell against them, seems to have taken a rather jaundre view of the object of my former letter. It was far from my intention to attempt to prove that celebrated "old and abandoned mines will not pay for re-opening." My object was more to contrast the merits of two classes of speculation—the re-opening of old mines, and the discovery of fresh mines in unexplored tracts of country; and to show how insignificant, too often how hollow, are the inducements offered to investors by the former in comparison with the latter. He asks: "whether there were any pumping-engines on Cathole, Pant-y-Mwyn, Llyn-y-Pandu, Hendre, Rhoessmor, Milwr, Holway, Trellogan, and Talargoch?" This is not material to the question. I never said there were none; but I ask him the question—How many thousands of pounds of profits each one of the mines sliuded to yielded from ore obtained above the water-line? For, although pumping-power was employed, yet it does not follow

logan, and Talargoon? This is not material to the question. I never said there were none; but I ask him the question—How many thousands of pounds of profits each one of the mines alluded to yielded from ore obtained above the water-line? For, although pumping-power was employed, yet it does not follow that more than half of the ore raised could not have been obtained without this aid, and, indeed, that more than half was not obtained without it. Again, I ask—Did not Rhosesmor yield every farthing of profits from above the water-line? I do not for one moment condemn the application of pumping-power to mining operations, but I would, in a measure, limit it to the further working of lodes in which the ore has only been followed to the water-level, or to but little below it, which is not the case in the celebrated abandoned mines referred to; most of them have been worked to a good depth below it.

I reiterate my opinion that "Lead mining never will pay so long as operations are confined to old mines," and your correspondent has yet to name one resuscitated abandoned concern in this county that does pay. He points out Talargoch, Holywell Level, and Minera. I have yet to learn in what respect Talargoch and Holway bear the character of the concerns in question. The former, I am told, has been worked continuously for a great number of years you one company, into which a little fresh blood may have been instilled, but the original shareholders—those who took it in hand, I suppose about forty years ago—have never abandoned it, so it cannot be regarded as a resuscitated mine of the stamp I mean. The latter is a new mine, and the success of the Holway Mine Company is attributed entirely to their "eschewing the old oldes, and to go boldly into a fresh part of their sett to lock for others," having discovered a few years ago a new lode, distinct from the others, which is now yielding good profits. Minera is not in Flintshire, and, even if it were, I ask—is the success of the Measrs. Taylor attributable to deeper exploration

of a cheap adit level, for instance, which would, in a great measure, eliminate the expense of draining, or unless I had power, and was prepared, to work simultaneously every mine in the vicinity as far as the drainage through expensive in the drainage of Hendre, it points out the desirability of working all of them by one compared through the medium of an adit level, for driving which there is the vicinity participate in the drainage of Hendre, it points out the desirability of working all of them by one compared through the medium of an adit level, for driving which there are great facilitie public. But, let the inducements be ever so great to develope estimation of the additional public. But, let the inducements be ever so great to develope abandoned lodes to a greater depth, in my opinion, they bear no comparison with those that can be offered in exploring for freesh lodes. In the one case you mike a fortune, the bulk of which, in the majority of instances, goes in draining expenses, to get, in any case, only the spare of former companies, whilst, in the latter, a small sum which goes in something more substantial than draining—in opening ground, the best application of mining captial—frequently discovered included from which not only the "milk," but also the "cream," of the deposits can be got: and the only successes of late that I can chronitele are in speculations of this class. I have before alluded to Holway. I may now mention Rhosesmor—a piece of ground overlooked by wealthy investors, but modestly taken in hand by a local company, who, with an expenditure of about 500t, discovered a lode which gave them 24,090t. In profits in a few years. At Pant-y-gor, also, explorations in fresh ground discovered the Crock ford lode, which has been very rich. A success very little inferior to the others might also be mentioned at Parry's Mine. If successes like these are the result of a few trials with a small expenditure in fresh ground, I ask—What would have been the result had the thousands of pounds swamped in

CHIVERTON AND MINERAL BOTTOM MINES-THE AMALGAMATION.

AMALGAMATION.

Sira,—I should recommend the holders of Chiverton shares to pause before giving their consent to the amalgamation now under consideration. Trae, that the chief holder in Mineral Bottom has procured a lease for 21 years, on behalf of that company, for five-sixths of the extent of the ground containing the north and south lode, but what ore has been returned has been from the Chiverton portion—or the remaining sixth, whilst there surely must be some doubt as to the value of the lease, otherwise Mineral Bottom Company would not be so anxious to share everything with Chiverton, seeing they have such an advantage in the extent of ground. Should the amalgamation be agreed to, the Chiverton shareholders must make a call of not less than 2s. 6d. per share, to pay law costs already incurred, and subsequently pay one-half of the 400L premium paid by Mineral Bottom for the lease above mentioned. That Chiverton shares, in the face of the proposed union, continue to fail in the market, taken with the past experience of the manner in which Chiverton Company has been served by the acting local element in Mineral Bottom, ought to put the shareholders in the former on their guard.

A CHIVERTON SHAREHOLDER.

THE GOLD MINES OF VICTORIA, AUSTRALIA-No. II.

THE GOLD MINES OF VICTORIA, AUSTRALIA—No. II.

The original valleys or water-courses which existed at the period when the bulk of the alluvial gold found in Ballarat was deposited have, at a later age, been filled in and made level by basaltic or lava-like overflows. All the western side stretching out some miles to the south and to the north forms, therefore, one wast plateau or area of table land, terminating on the east face, southwards of Ballarat, with an abrupt escarpment of from 50 to 150 ft. in height, and not inaptly designated the Sebastopol plateau. At the foot of this escarpment lies the Yarrowee, the present water-course, which takes a southerly direction. East of the Yarrowee is a range of schistose hills, the valleys from which meet that water-course nearly at right angles, and there empty themselves. Originally, however, these valleys continued on in a westerly direction; those portions of them which lay beyond the present line of the Yarrowee Creek are now buried beneath what is, as already explained, one large expanse of basaltic table land. For more than a dozen years past the workers of Ballarat have been profitably engaged in probing and mining in these old water-courses or rivers below this plateau, with what result must be already sufficiently well known to the readers of the Mining Journal, and hardly requires to be repeated. Briefly, however, it may be stated that 19 companies, with a cash capital of 280,3551, 12s. 4d., have paid dividends to the amount of 2,362,5771. 1s. 4d.

The Winter's Freehold, one of the two properties, a half interest in which is now offered to London investors is east to the implicit of the properties of the later in which is now offered to London investors is east to the interest in which is now offered to London investors is east to the interest in which is now offered to London investors is east to the interest in which is now offered to London investors.

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The Winter's Freehold, one of the two properties, a half interest in which is now offered to London investors, is, as its title implies, a freehold having an area of more than two square miles. It has been purchased by a number of Ballarat capitalists, who have begun and carried on persistently active mining operations. By referring to the map—lithograph copies of which accompany the prospectus, and may be obtained on application at the office of the company—it will be seen that the accumulation of evidence as to the value of the property, both from the bores put down and the workings of the neighbouring mines, makes it difficult to conceive ground more favourably placed for mining operations. The underground works of the Band of Hope and Albion Consols, the richest gold mine on record, have proved the Golden Point lead westerly up to within a short distance of and trending towards the Winter's Freehold. Therun of gold, first discovered by the Sir William Don Company (which venture on a paid-up capital of only 2000. returned dividends in little over twelve months to the amount of 131,0001, after being taken up and wrought with exceeding profit in the claims successively of the Newington Freehold, the Western Freehold, and the Southern Freehold Gold Mining Companies has been traced into the Park Company's ground. That venture heavily in debt so lately as last June is now out of debt, in funds, and has distributed since in dividends no less than 40 per cent, on the paid-up capital. The slope of this golden ground is to the west, the fall to the south; and, consequently, trending towards the northern boundary of the Winter's Freehold, to within a short distance of which it has already been traced. The bores put down in the property prove beyond a doubt

month and telegraphed to this country from Galle to windraw and shares if not placed within a limited period named. This determi-nation is little to be wondered at when it is considered with how great rapidity wealth has been developed in most of the Ballarat mines, and how small the success need be to alter largely for the better the prospects of almost any progessive gold mining adventure in that district. Respecting Ballarat itself, the second town in Victoria, a

district. Respecting Ballarat itself, the second town in Victoria, a few facts may, perhaps, be enumerated with profit.

"The district of Ballarat is distant 96 miles from Melbourne by the Government line of rallway, via Geelong. It has a population of 40,000 inhabitants, whose municipal affairs are under the control of three borough councils. The local revenue at the present time exceeds 50,000, per annum. It possesses extensive systems of supplies of both gas and water; besides the towns themselves, many of the mines by these means being furnished with gas as well as pure water for boiler purposes. Its foundries have supplied locomotives for the railways of more than one of the neighbouring colonies. The mines employ 37 steam-engines, having an aggregate of 9506 horse power. It has no fewer than eight banking establishments, whose businesses are conducted in structures of great stability and considerable architectural beauty. It has three daily papers, and returns four members to Parliament. There are Government post and telegraph offices, court-house, three police-courts, treasury, land and survey office, besides three town halls, twenty places of public worship, two theatres, four markets, mechanics' institute, free library, hospital, benevolent asylum, industrial schools for children, orphan asylum, botanical gardens, public park, and ever 160 hotels. It numbers three rifle corps of volunteers. It has 200 miles in

length of streets, adorned by a number of substantial villa residences, over 90 miles of streets being metalled and formed. It is the focus of the most extensive as well as most productive agricultural district in all Victoria. As regards the value of land in the most central part of the town, it needs only to be stated that as much as 50,000,000, per acre has been given. The district is estimated to have produced of gold alone in excess of 40,000,000t, sterilug. In the year 1851 Ballarat formed part of a sheep-run—a mere uninhabited bush; what it now is may be better appreciated by perusing the foregoing statement of facts."

It is not often undertakings of the stamp and character of the two now advertised are offered to English investors, accredited with such evidences in their favour, or backed by such exact knowledge. Whether English investors will miss their present opportunity (which is hardly likely) or not, it can have no effect whatever on the continuance of mining operations. If shares are taken up well—if not well also. The present holders have given the best guarantee possible of good faith, by purchasing in the one case the freehold, more than two square miles of ground, and in both cases by subscribing largely for carrying on extensive mining operations, the progress of which, in any event, will not be arrested even for a single day. Doubtless, the magnitude of these undertakings admit of the advantageous employment of additional capital for their proper development, but news by a single mail may render the assistance of what colonists call foreign or English capital, if not unnecessary, at any rate, less imperative.

FOREIGN MINING AND METALLURGY.

The state of the Belgian coal trade has not experienced much change during the past week. The deliveries made by railway may be a little more active at one point and a little less active at another, but in reality the state of the Belgian collieries has not improved; the extraction has been much reduced, and it is to this check in the proreality the state of the Beigian collieries has not improved; the extraction has been much reduced, and it is to this check in the production that we must attribute the maintenance of prices. Freights show little or no variation. The state of the Beigian metallurgical market has not changed this week. Current orders for merchants' iron and plates continue to come to hand freely, and prices are maintained, in consequence, with great firmness. The rolling-mills producing rails are provided with work for several months to come, and it is stated that several works propose to extend their means of production. Some fresh contracts for rails have been in course of negociation of late. The sales of gas effected by the Beigian General Company for Lighting and Heating by Gas amounted in the six months ending February, 1889, to 213,522,332 English cubic feet, as compared with 201,285,614 English cubic feet in the corresponding period of 1887-8, showing an increase of 12,236,718 English cubic feet. The Belle-Vue St. Laurent (Liege) Colliery Company will pay, on April 14, a dividend of 12s, per share. The Kessales Colliery Company is paying a dividend of 21 for share for 1885. Meetings are announced as follows:—Lower Sambre United Collieries Company, April 6, at Tamines; Quaregnon Colliery Company, April 12, at Charlerol; Chartreuse and Violette Collieries Company, April 12, at Charlerol; Chartreuse and Violette Collieries Company, April 12, at Grivegnes; Carabiner Colliery Company, April 13, at Brussels; Gosson-Lagasse Colliery Company, April 14, at Liege; Belgian Colliery Company, April 12, at Grivegnes; Carabiner Colliery Company, April 13, at Brussels; Gosson-Lagasse Colliery Company, April 14, at Liege; Belgian Colliery Company, April 14, at Liege; Belgian Colliery Company, April 14, at Charlerol; Chartreuse and Violette Collieries Company, April 12, at Grivegnes; Carabiner Colliery Company, April 14, at Liege; Belgian Colliery Company, April 14, at April 15, at Montegnes; Belle-Vue St. Laurent Colliery Company, April

The French from trade maintains its invourable aspect, and prices maintain the firmness previously reported in them. At St. Dizier first-class iron from coke-made pig is quoted at 7l. 16s. to 8l. per ton. Transactions have taken place in mixed pig at an advance upon preceding rates. In the Meurthe and the Moselle the rate which we have previously indicated for iron is sustained, the current quotation being 8l. 8s. to 8l. 16s. per ton. Refining pig stands at 2l. 18s. per ton for immediate deliveries, and 2l. 18s. 9d. to 2l. 18s. 6d. per ton for long-termed contracts. Annexed are official data as to the production and importation of pig and castings in France in 1867 and 1868:—

in 1867 and 1868 : 1	868.		1867.
Production of FranceTons 1,2	74,333 .	1	,222,363
	16,976 .		
, Worked pig, ditto	4.781 .		5,414
By warrants	98,570 .		57,728
,, Duty free, for shipbuilding	1,471 .		1,286
Total 1,8	96,131	1	,367,168
The exports of pig and castings from France in 186	7 and 1	868 wer	-: 0
	1868.		1867.
Exports of rough pigTons	1,103	*****	350
Exports of worked ditto	5,160		
Re-exports, with discharge of warrants	24,173	*****	17,855
Total	30,436		21,275
Deducting the exports and re-deliveries after manu			
warrants from the imports and production, and t			
existing on Dec. 31, 1866, and Dec. 31, 1867, it will			
consumption of pig and castings in France amoun	ted in 1	867 to	1,345,893 (
and in 1868 to 1,365,695 tons. The production and i		of iron	
France in 1867 and 1868 were :-	1868.		1867.
Production of FranceTons	916,645		848,613
Imports-With payment of duty	15,306		18,880
" By warrants	50,244		
Free for shipbuilding	12,695		3,714

Total..... 150,204

After making similar calculations to those already made as regards pig, we arrive at a consumption of \$18,026 tons of iron and plates in France in 1867, and \$44,685 tons in 1868. The consumption of pig (including in that term castings) and iron in France would thus seem to have sensibly increased in France in 1867, as compared with 1867; the exports also increased, especially as regards iron and plates. The production of Bessemer steel in France in 1868 was as follows:—Terrenoire Company, 90,566 tons: Imphy 8t. Seurin Company, 932 tons; Petin, Gaudet, and Co., 8777 tons; De Dietrich and Co., 1840 tons; Châttilon and Commentry Company, 934 tons; Petin, Gaudet, and Co., 8777 tons; De Dietrich and Co., 1840 tons; Châttilon and Commentry Company, 1845 tons; Bolgmes, Rambourg, and Co., 1052 tons: total, 42,601 tons. In this total "alis figured for 28,760 tons, the whole being used by the great French rallway companies. The production of iron ralls in France in 1868 amounted to 204,206 tons; of this total, 127,167 tons were used by French rallways properly so called—by the Charentee, 8811 tons; by the Beatern, 29,07 tons; by the Paris, Lyons, and Mediterranean, 19,814 tons; by the Medoc, 1437 tons; by the Southern, 3865 tons; by the Orthern, 18,905 tons; by the Orthern, 3865 tons; by the Southern, 3865 tons; by the Southern, 3865 tons; and by sundry small companies, 11,985 tons; by the Southern, 3865 tons; by the Paris, Lyons, and was partly sent abroad. The Moucean Blast Furnaces and Foundries Company is paying a dividend of 21,09 are share. The Loire Mines Company is paying a dividend of 21,09 are share for 1868; of this dividend, 6s, 6d, per share. The Loire Mines Company is paying a dividend of 21,09 are share for 1868; of this dividend, 6s, 6d, per share is now in course of payment. The Marseilles Blast Furnaces and Foundries Company is paying 115, 3d, per share on account, in respect of the dividend for 1868. Meetings are announced as follows:—Condens and Rolling Mills Company, April 15, at Paris; Blache St. Va

On the German markets affairs present little animation. At Amsterdam, English has made 45½ fils. per owt. At Rotterdam, Russian has made 51 fils., and Drontheim 30 fils. to 52 fils. At Havre, Banca tin has made 117. to 1181.; Straits, 112% to 116%; and Peruvian, 100% to 104%, per ton. The German tin markets appear to be those on which the article has experienced the most marked and general advance. There is little change on the Dutch markets; in consequence, everyone maintains an attitude of reserve. This reserve is recommended by the principal houses of Amsterdam and Rotterdam, which unanimously advise only such purchases as are needed to meet the requirements of consumption. Different contracts have been concluded at Rotterdam for 81½ fils, for disposable Banca; for Billiton under sail, 79½ fils, has been paid, and disposable is held at 80 fils. At Amsterdam, prices present no material change, The lead markets have remained without much animation, but previous rates have been about supported.

MINING ON THE PACIFIC COAST.—A San Francisco paper gives an elaborate review of the mining operations on the Pacific Coast during the year 1868. Mining for the precious ores is carried on actively in 19 counties of California, in which about 5000 quartz mills, valued at \$6,00,000, are employed. Ten million dollars are invested in water trenches. Nevada has 188 quartz mills; Oregon, 21; Idaho, 43; Montans, 601. In the territories of New Mexico, Arizona, Utah, and Washington, although large deposits of the precious ores are known to exist, mining operations are not conducted on any considerable scale, The general yield in the year 1868 is the largest in the bistory of mining in the United States, one of the causes being the introduction of improved and much cheaper methods of eliminating the precious metals from their native ores. The total yield for the year is set down at about \$65,000,000.

SCIENCE AND ART .- A striking instance of the immense value a SCIENCE AND ART.—A striking instance of the immense value a small piece of steel may acquire by the great power of skilled mechanical labour is the balance-spring of a watch. From its extreme fineness and delicacy 4-00 weigh not more than one ounce, and exceed in value 1000l. A most interesting little work, describing the rise and progress of watchmaking, has been published by Mr. J. W. Benson, 25, Old Bond Street, and the City Steam Factory, 88 and 60, Ludgate Hill. The book, which is profusely illustrated, gives a full description of the various kinds of watches and clocks, with their prices. Mr. Benson (who holds the appointment to the Prince of Walee) has also published a pamphiet on Artistic Gold Jowellery, illustrated with the most beautiful designs of Bracelets, Brooches, Earrings, Lockets, &c., suitable for Wedding, Birthday, and other presents. These pamphlets are sent post free for two stamps each, and they cannot be too strongly recommended to those contemplating a purchase, especially to residents in the country or abroad, who are thus enabled to select any article they may require, and have it forwarded with perfect safety.

Meetings of Mining Companies.

LINARES LEAD MINING COMPANY.

A general meeting of shareholders was held at the offices of the

LINARES LEAD MINING COMPANY.

A general meeting of shareholders was held at the offices of the company, Queen-street-place, on Thursday,

Mr. WILLIAM COX in the chair.

Mr. SWAFFIELD (the secretary) read the notice convening the meeting, and the report of the directors (which appeared in last week's Journal) was taken as read.

The CHAIRMAN said it was gratifying to the board to have been able to declare the dividend, which he almost promised at the last meeting, of 3s. 4d. per share, and it was further gratifying to be able to promise another dividend of a similar amount six months hence. As they had known for a long time, the old Pozo Ancho Mine was wearing out—that is, taking the present price of lead into consideration. It was true that the amount of reserves in the mine had not diminished but it was not seen that it is a served in the mine had not diminished but it was not soon to more the could be extracted at a profit. But at Quinientos Mine it was not too much to say that it presented a fair prospect of profits and dividends being realised, supposing the old mine should onlirely fall. The result of the explorations had been most satisfactory, and as far as he was concerned he was looking forward to Quinientos proving as great a mine as even Pozo Ancho. Although barely yet below the old men's workings, some of the lodes were producing 2 tons of ore per fathom, and they were proceeding most vigorously with the sinking towards another level, and when they commenced driving, should the mine hold as good asit was now, it would certainly become a very productive and profitable property. He considered it necessary to make these observations because there had been rumours that because the old Pozo Ancho had failed in depth the prospects of the company were discouraging. He moved that the report and accounts be received and adopted. ——Mr. Brand become a very productive and profitable property. He considered it necessary to make these observations because there had been rumours that because the old Pozo Ancho had

FORTUNA COMPANY.

FORTUNA COMPANY.

The general meeting of shareholders was held at the offices, Queenstreet-place, on Thursday,—Mr. CHARLES MORRIS in the chair.

Mr. SWAFFIELD (the secretary) read the notice convening the meeting, and the report of the directors (which appeared in last week's Journal) was taken as read.

The CHAIRMAN said that the profit made during the half-year, taking all things into consideration, was very satisfactory. That profit had been realised during a time when the price of lead had been exceedingly low, but they had good reason to hope an improvement would soon take place in the market value of that metal. Another satisfactory feature was that the debenture fund was being gradually diminished, while the directors had at present to hand the sum of 3214t. towards the amount which had to be paid during the next two years. As to the revolution in Spain, the company had not suffered from it in any way. Everything had gone on as if no political convilsion had taken place. He moved that the report be received and adopted.——Mr. PEILL seconded the proposition.

Mr. W. COX, in reply to a question, stated that 3214L had already been put aside to redeem 7500t, worth of debentures, the greater part consisting of bonds themselves. If the mine only continued as at the present time he was looking forward not only to maintain the present rate of dividend, but at no distant date to increase it to 4s. 6d. and 5s. per share overy six months.

Mr. TAXLOR said that the mines were admirably provided with machinery—indeed, they were never before in such an efficient state of working, which had been brought about by the employment of the dobenture money. The whole of that will now be returned in a very short time. He thought these mines were likely to be profitable for a long series of years. It could not fail to be satisfactory to the shareholders that the mines were maintained in an equal state of production with undiminished reserves, and the maximum of profit realised.

The retriring directors and anultors were re-elect

ALAMILLOS MINING COMPANY.

A general meeting of shareholders was held at the offices of the company, Queen-street-place, on Thursday,
Mr. J. P. JUDD in the chair.

company, Queen-street-place, on Thursday,
Mr. J. P. JUDD in the chair.

Mr. SWAFFIELD (the secretary) read the notice convening the meeting, and the report of the directors (which appeared in last week's Journal) was taken as read.

The CHAIRMAN said he had nothing to add to what was stated in the report, except to congratulate the shareholders upon the fact that the profits had been gradually increasing year by year, and also upon the fact that there was every reason to hope that they would still continue to be satisfactory. The raisings had been steadily maintained, and the price of lead had advanced, while the firm indication of the market pointed to a still further moreounent in that direction, so that there was every reason to hope that the result of the next half-year's operations would be as satisfactory as that upon which be had congratulated them upon the present occasion. He moved that the report be received and adopted.

Mr. TAYLOR said that, although the property continued to produce satisfactory results, the "ends" in the different levels were not looking so well as they had done. Latterly the reports had stated that the voin was yielding 1 and 1½ ton per fathom, whereas they had been worth 2 and 3 tons. But, on the other hand, they had ascertained this important fact, that they possessed a mine which could be worked comparatively cheap, while the water was a very moderate charge, all the water pumped being used for the purposes of washing. The ground was easy for working, which rendered the lodes yielding 1 ton per fathom as profits able as those in other mines yielding 1½ and 3 tons per fathom. The agent did not lead them to think there would be any falling off in the returns, and, moreover, the quantity of ore in reserve was equal to what it was six months since.

A Sharkholder asked if the change in the Spanish Government had affected the doen produced. The company had been solling considerable quantities of lead to the Government factory at Seville, and they were in hopes of being able to sell

LAGUNA SILVER MINING COMPANY.

The ordinary general meeting of the shareholders was held at the fices, King William-street, on Wednesday,—Mr. Hill in the chair.
Mr. G. E. Hooke (the secretary) read the notice convening the teeting. The report of the directors (which appeared in last week's Journal) was taken as read).
The CHAIRMAN said the re

The CHAIRMAN said the report substantially expressed all that the board had to lay before the shareholders; and with the knowledge of The CHARARA satt the reports ubstantially expressed air that the board had to lay before the shareholders; and with the knowledge of its contents, his duty was simply to ask them to determine which would be the best course to raise further capital. As the capital had been so nearly absorbed, it became a necessity to decide upon the way further means could be provided. There were no special features to bring before the shareholders as to the richness of the mine; all he could say was that generally it had the reputution of being a very valuable property. It had been seen by Mr. Sewell's report that the mine was contiguous to other very valuable properties. In the judgment of the board, and also in his own, and he hoped also that of the shareholders, it would be most nuwise, if not cowardly, to allow the property to pass out of their hands without some well-directed effort to develope it to a successful result. There was no doubt it would be quickly taken up by others, and it certainly would be no subject of gratification to see others reap the fruits of the expenditure incurred by the present company. The sum of 5000, was almost absolutely required to do justice to the mine, for they could not disguise the fact that hitherto the operations had not been carried on with that vigour which the merits of the property justified; but this the directors had been constrained to do, on account of the limitation of capital. Mr. Sewell says that they should sink at the rate of 1 vars or 1½ vars per week, whereas they had been doing less than ½ vars. They possessed a property comparatively underveloped, and with a very good reputation. If Mr. Sewell's report was to be relied upon—and there certainly was no reason to doubt it—it was obviously the duty of the shareholders to the wheel to open out the mine. Therefore, the only question was as to the best mode of raising further capital, which he would leave to the shareholders to the wheel to open out the mine. Therefore, the only question was as to the best mode of raising fur

reach the productive points in the neighbouring mines, stated that the direction of the adit on the Purlsima vein is almost at a right angle to the Laguna, and, consequently, the shortest distance or road to it for proving the Laguna and about 110 varas east of the present workings. As the hill towards the cast rises a great deal, the adit would cut the Laguna vein at a depth of 100 varas. As (added Mr. Smith) they were down 93 varas, they were within a few varas of the required depth.——The report was adopted unanimously.

After some further discussion, it was resolved that in the opinion of the meeting the Laguna property is still deserving further development, and for that purpose a sum not exceeding 5000f, be raised by preference shares, bearing a preferential dividend of 20 per cent, per annum, to be paid out of the first profits of the mine, and that in the meantime the company's solicitor ascertain more definitely the power to issue such preference shares.

fits of the mine, and that in the meantime the company's solicitor ascertain more definitely the power to issue such preference a bares.

Upon the proposition of Major Weller, seconded by Mr. Swafffeld, it was agreed that Mr. Gremer should be elected to a seat at the board.

Upon the proposition of Mr. Swiff, seconded by Mr. Swaffleld, it was agreed to add Mr. J. R. Daniel to the board.

to add Mr. J. R. Daniel to the board.

Major Wellles then proposed a vote of thanks to the directors for their great
attention to the interests of the company during the past year, and begged also
to be allowed to include in it the secretary.—The CHAIMAN briefly responded
on behalf of himself and his colleagues, and expressed his appreciation of the
deserved compliment had to the secretary.

eserved compliment paid to the secretary. A vote of thanks to the Chairman terminated the proceedings.

LEAD MINING IN MONTGOMERYSHIRE. THE VAN MINE.

THE VAN MINE.

The miners and others employed in the development of this property, numbering with their friends about 400, were entertained at a dinner at the Town Hall, Llanidloes, on April 2, under the presidency of Mr. T. C. MUNDEY, the vice-chair being occupied by Mr. G. BATTERS. The directors present were Mr. F. L. Slous, late Chairman of the Stock Exchange; Mr. Julius Alington, St. Neot's, Huntingdon; and among the visitors present were—the Rev. H. Ward; Mr. W. Margetts, of the Stock Exchange; Messrs. — Thomas, Mayor of Llanidloes; F. Broughton, manager, Mid-Wales Railway; A. Henshaw, manager, F. Broughton, manager, Mid-Wales Railway; A. Henshaw, manager, the Revs. H. Jones (vicar), H. Parry, — Wilcox; Captains Williams and Evans; Messrs. Gillart, E. Evans, J. Ikin, Price (North and South Wales Bank), David Kinsey, R. S. Greenhow, Lloyd Kinsey, Breeze, Francis, &c.

South Wales Bank), David Kinsey, is, 5. Greenard, see J. Breeze, Francis, &c.

The usual loyal toasts having been disposed of,

Mr. Edward Rees observed that he had very great pleasure in meeting the gentlemen who were connected with the Van Mining Company, who had come there on purpose to further the very same interests they all had in view. They, therefore, sincerely thanked them, and also for the feast they had provided for the workmen. (Applause.)

The CHAIRMAN then gave "The Town and Trade of Llanidloes."

That was a toast which came home to the thresholds of their own doors, lass.

The CHAIRMAN then gave "The Town and Trade of Llanidloes." That was a toast which came home to the thresholds of their own doors, lansmuch as if the town of Llanidloes prospered it must be through its trade; and he apprehended that trade would be greatly increased by the introduction of mining properties in the neighbourhood, which would give a large amount of work to the artizans and labourers inhabiting the town. Therefore, they were all, directly or indirectly, interested in the toast, and would heartly receive it. (Hear, hear.)

much as if the town of Liantidioes prospered it must be through its trade; and he apprehended that trade would be greatly increased by the introduction of mining properties in the neighbourhood, which would give a large amount of mining properties in the neighbourhood, which would give a large amount of all, directly or indirectly, interested in the toast, and would heartily receive it. (Hear, hear.)

Mr. EVAN EVANS responded. He said that was a small town, and their trade was not very extensive, but during the time he had known it a good deal of progress had been made. Any stranger coming into their neighbourhood, and seeing their barren hills, would fancy it was a very poor country; but they will all the seed of th

Dr. Davies proposed "The Health of Mr. Batters, the Vice-Chairman." (Cheers.) He had not had the pleasure of seeing him till that day, but what be had seen of him led him to wish he might see more of him; they were, therefore, pleased with the assurance that he would come amongst them and stay with them at intervais. They had never seen anything like the Van Mine before, and there was the assurance of a continuance of its prosperity that would

stay with them at intervals. They had never seen anything like the Van Mine before, and there was the assurance of a continuance of its prosperity that would do good to the neighbourhood. (Applause.)

Mr. BATTERS said he thanked them very much for the honour they had done him in drinking his health so enthusiastically. He was a comparative stranger among them, but not a stranger in Wales—not a stranger among the mining community of Wales. He had been connected with Wales for many years—the greater part of a quarter of a century—during which time he had sent tens of thousands of pounds into the Principality for the support of mining—sometimes with success, sometimes with a want of success. But he certainly did rejoice in coming into their neighbourhood, and in being connected with so good a mine as Van, and such an excellent body of workmen. He was proud to be associated with them in that undertaking, to have been instrumentall in the purchase of this property, and in introducing his friends as sharcholders there, and thus revivifying, giving fresh life and fresh activity, and an impetus to that great undertaking. He thought the Van Mine was not only the best mine in Wales, but in Great Britain. (Applause.) He had bought many mines—lead, copper, and so on,—but he had never been instrumental in purchasing property which had given him such unqualified satisfaction as the purchase of the Van Mine. (Cheers.) He could bear testimony to the very great courtesy which Capt. Williams had shown him when he first, as a stranger, visited the mine. He then saw all its wonders in a brief space of time, and he was thankful to say that it took such hold of his mind that he came back to that hotel, and there made the proprietors the offer of a princely sum of money for the undertaking; and eventually succeeded in purchasing it. He belloved they had the greates lode in the Principality—only requiring perseverance, a judicious further expenditure of money, and a little patience—and that the mine was comparatively yet in its infanc

umberland, Durham, and North and South Wales, and he had formed the highest opinion of them. He had known them for more than 30 years, and he remembered well the time when the miner had not half the self-respect he now had for himself, and his cottage was not so neat and tily as now it happily was. Mr. Batters then proceeded in eloquent language to urge those present to habits of cleanliness, sobriety, and industry, and so far as possible to put by a little against troublesome times and old age, to cultivate the love of home and homely virtues and affections. And so surely as they were industrious, truthful, and God-fearing, so surely would they do well, have happy homes and prosperity, wherever they went. He then referred to the promise of Mr. Mundey to give an other dinner, and said he was a man who always kept his word. (Applause.) He hoped on that occasion they would rejolee in the greater prosperity of the Van Mine and all connected with it. (Loud and prolonged cheers.)

Mr. F. BROUGHTON proposed "The Health of the Employees." He observed that he was happy to have the opportunity of proposing this toast. He had had from 200 to 800 men under him, and he could say he had never sat down to a dinner at which working men had conducted themselves in a more orderly and respectable manner. He had great pleasure in proposing their healths, and he believed they deserved all that had been said of them. By their help—it must be with their assistance, for although the head might plan, and although the Chairman and his friends might bring their money down—without their strength and hands there was no good to be done. They (the working men) were a very important part of this undertaking, and that importance had been recognised on all hands that night. He hoped they would continue in the way they had begun, and in the words of the motte he saw on the wall—"Might their Source of Wealth never be Exhausted." (Loud Applause.)

Mr. BATTERS proposed "The Health of Capt, Williams." in eulogistic terms, bearing testimony to his w

possible pleasure in proposing the health of their manager, Capt. Williams, and bis family. (Much cheering.)

Capt. Williams, in responding, said the gentlemen comprising the company were thoroughly practical miners. He believed the mine contained stores of wealth for ages yet to come; in the last month it had been worth five times more than it had ever been before. (Loud applause.)

Mr. JOHN EVANS, one of the workmen, proposed a vote of thanks to the directors of the company for their liberality, wishing long existence and prosperity to the company.—The proceedings then terminated.

WICKLOW COPPER MINING COMPANY.

The half-yearly general meeting of shareholders was held at the

The half-yearly general meeting of shareholders was held at the offices, Grafton-street, Dublin, yesterday,

Mr. Thomas Hone in the chair.

Mr. Kildahl (secretary) read the notice convening the meeting.

The report of the directors stated that, notwithstanding the unusual severity of the winter months, large cross-channel shipments of pyrites have been effected from Kingstown, and the deliveries by rail for home consumption have considerably exceeded those of any preceding half-year. The gradual approach to a healthier tone in the alkali trade, coupled with a coming advance in the price of foreign pyrites, induce the hope that this desideratum will ere long be realised. The exhaustion to a great extent of the stock of foreign or and the considerable decrease in its importation into the United Kingdom, encourage the belief that the demand for this company's produce will not be interfered with by foreign competition to the same extent as of late. The difficulty in procuring vessels to undertake voyages to ports in the Bristol Channel during the winter season at other than excessive rates of freight has prevented the shipment of iron ore to the desired extent; but since the closing of the half-year, and the return of moderate weather, the shipments from Arklow towards the completion of large contracts have actively progressed, and it is to be hoped that during the approaching summer the company's operations in the dispatch of this ore will be uninterruptedly carried on. Arising from the severity of the past season, and the prevalence of adverse which, the bar at Arklow Harbour has been rendered unusually shoal—over which circumstance the company can possibly have no control, as the revenue from this portion of its property are insufficient to defray the expenses necessary for the maintenance of the piers, &c. The prespects of the mine continue encouraging, the ore is holding good in the deepest levels, and important tutwork operations have been undertaken in the past half-year, that will eventually toud to economi

The report of Mr. Edward Barnes (resident director) stated that all the machinery, shatts, levels, and surface works are in good order, and the late additions to the pitwork have strengthened and added to its efficiency. Its satisfactory to be able to state that the chief features in the prospects are encouraging; the ore is holding good in the deepest levels, and the tutwork generally has carried with it a fair extent of productive ground.

THE GOVERNOR AND COMPANY OF COPPER MINERS IN ENGLAND.

The annual general court was held at the Terminus Hotel, Cannon treet, on Wednesday,

Mr. Lewis Harrold Haslewood, the Governor, in the chair.
Mr. C. Frewer (secretary) read the notice convening the meeting,
and the minutes of the last were confirmed.

Mr. C. Frewer (secretary) read the notice convening the meeting, and the minutes of the last were confirmed.

The report stated that the accounts for the year ending Jan. 16 exhibit a loss of 2148. 11s. 11d. upon the year's operations, and a debtor balance increased thereby to 2373l. 10s. 10d. Very little beyond what has been said in previous reports can be adduced in explanation of this continued absence of production have been reduced, and the sales have been effected at prices which would compare favourably with current market rates, but in no year since the new capital was raised has the company had so much to contend with from the adverse condition of the markets. With this latter circumstance fully in view, it may be considered a matter of congratulation that the loss sustained has been no greater. On this occasion the profit and loss account has not been seriously affected by the necessary re-valuation of stocks, but the expenditure upon the works beyond the cost of ordinary repairs has amounted to the sum of 4507l. 14s. 9d.; nearly one-half of that sum being due to the arrangement which was forced upon the company in 1867, and mentioned in the report of that year, having reference to injury alleged to have been done by copper smoke. This portion of the outlay has been so made as to promise fairly remunerative results. The item of law charges is heavier this year than usual, in consequence of the support given by the company to the Avon Valley Railway Bill, which, with the kindred subjects of Port Talbot improvements, and the laying down of narrow guage on the Great Western Railway, between Port Talbot and Neath, was referred to in the report of last year, It is much to be regretted that no further progress has been made with either of these three undertakings, all of which would be of such great advantage to the Cwm Avon works. It has frequently been suggested that as the works have been comparatively upprofitable for so long a period, it would be better to cease carrying them on, and to withdraso the l

cession of disastrous years as would threaten to render that course ultimately inevitable.

The report of the auditors (Messrs. A. Beattie and E. P. Stringer) stated that the outlay in maintaining in a state of efficiency the works and plant at Cwm Avon has been defrayed, as usual, out of the income of the year; and besides this, the cost of some necessary additions to the collieries, iron mills, copper works, &c., during the year (amounting to 45071. 14s. 9d.) has, in like manner, been charged against revenue. A large part of this outlay has been imperative in consequence of a lawanit having been instituted against the company for alleged damage to some farms in the neighbourhood, by reason of the smoke from the copper furnaces, which action, having been disposed of by an amicable arrangement in Feirnary, 1867, by which the company were bound to provide a remedy within two years from the date thereof, this expenditure is a part of the cost of constructing the means of effecting that object. We believe that eventually this outlay will be otherwise productive in itself, as well as conductive to the settlement of a vexed question. Although the result of the year's operations will not admit of the payment of a dividend, almost overy article manufactured by the company has been productive in that the the markets have not admitted of the realisation of any of the articles at prices that would afford a divisible profit to the proprietors. After crediting the profits on the sales of the year, and deducting the expenses of the London office, the profit and loss account exhibits a balance at debit of 28781. 10s. 10d.

The CHAIRMAN moved that the report and balance-sheet be received and adopted. Before proceeding to the discussion he would ask the secre-

there we would be to

was so large a recipient of the ronts and royalties paid by the company. There were many things which Mr. Talbot might do to assist the company, and he would be glad to see him join the committee of consultation.

The report and balance-sheet were received and adopted.

The CHAIRMAN then moved that a committee of consultation be appointed to examine into the present state and prospects of the undertaking.—The resolution, being duly seconded, was put and carried unanimously. Mossrs. G. Benson, C. Cawthorne, R. Pelly, A. Beattle, and E. P. Stringer were appointed members of the committee, with power to add to their number.

The CHAIRMAN then moved formally, "That in the Court of Assistants no vacancles which may occur otherwise than by rotation be filled up, until the members be reduced in number to the minimum prescribed by the Act—a Governor, Deputy-Governor, and five Assistants; and that for the year 1869-70 the remuneration of the Court of Assistants and that for the year 1869-70 the remuneration of the Court of Assistants be reduced to 1500."

Mr. A. BEATTIE moved, as an amendment, that the question be referred to the committee of consultation, which was put and carried nem con.

The retiring directors, Messrs. W. ii. Horuby and R. B. Blade, were re-elected. Messrs. Beattle and Stringer were re-appointed auditors.

A vote of thanks was passed to the Governor and Court of Assistants, and also to Mr. Struvé, the manager.

ORINOCO GOLD MINING COMPANY.

ORINOCO GOLD MINING COMPANY.

A general meeting of the subscribers to the Orinoco Gold Mines Exploration Fund (Limited) was held, on Monday, at the office of Exploration Fund (Limited) was held, on Monday, at the office of the Central American Association, for the purpose of receiving the report of Dr. Le Neve Foster, who has returned to this country, and of determining upon further proceedings. It may be remembered that this was a small "ploneer" company, formed in the autumn of last year for the purpose of sending out a mining engineer of eminence to ascertain whether the accounts given by Dr. Plassard, the French Vice-Consul at Cuidad Bolivar, of the extraordinary richness of the gold districts of Caratal, in the province of Guayana, in "presuela, were overcharged. Four hundred mines or claims, of 10,000 squares each, had been obtained by M. de Meurville, formerly acting Consul-Gehern/for France in Venezuela, from that Government, which were offered to the company, without any cash payment, a participation in profits being reserved to the concessionalires after securing 10 per cent. In the first instance to shareholders.

At the meeting a detafied and interesting report was presented by Dr. Foster, who had been sent out by the company, and who was himself present. He states in his report that he "has no hositation in saying that Dr. Plassard's general statements about the occurrence of gold are substantially correct."

Resolutions were passed for the immediate formation of a definitive company, to be called "The Orinoco Gold Mining Company (Limited)," to take up and work the concessions, and a board of directors was nominated. It was further resolved that a limited number of shares only should be issued, and that the whole should be offered in the first instance for subscription to shareholders in the preliminary company.

IRELAND'S MINERAL WEALTH .-- In order to mitigate to some extent the injustice of confiscating the property of the Protestant Church in Ireland, it is proposed by Mr. George Robinson, of Lamplugh, that, assuming the confiscation to be inevitable, the most effectual method of benefiting the people of Ireland would be to apply the money to the purchase by the Crown of the manorial rights of the landowners of that country, with a view to the better development of its mineral resources. The proposition is, without doubt, worthy of the attention of some of our leading statesmen, and is certainly free from two objections to the socialist project of Mr. Gladstone—it would not give rise to the icalousy and preparent ill feet stone—it would not give rise to the jealousy and permanent ill-feel-ing that would be caused by the handsome endowment of one reli-gion with the funds belonging to the church of another, and it would produce more general advantage than could be hoped for from re-lieving Ireland from the responsibility of supporting idiots and luna-tics—the proportion of which is proved by published and official statistics to be larger amongst Catholics than amongst the followers of any other religion.

MINERS' ASSOCIATION OF CORNWALL AND DEVONSHIRE,-The MINERS' ASSOCIATION OF CORNWALL AND DEVONSHIRE.—The vast amount of energy displayed by the executive of this Association in diffusing scientific knowledge amongst the working miners should suffice to enlist the sympathy and to secure the substantial support of all who are interested in or profit by the working of Cornish and Devon copper and tin mines. Under the auspices of the Association Devon copper and tin mines. Under the auspices of the Association upwards of forty young miners are studying chemistry, mineralogy, and geology, and about fifty others are studing the rudiments of the same sciences in classes under the guidance of former students of the Association. Owing to deaths and removal from the country the income of the Association. Owing to deaths and removal from the country the income of the Association has been materially interfered with, and it is probable that unless the non-resident adventurers in the mines promptly exert themselves to place the council of the Association in possession of funds, there will be considerable difficulty in continuing those inducements to the teachers which have hitherto done so much to promote the success of the undertaking. As it cannot be doubted that whatever improvement in the working of the mines may result from the increased dividends or diminished calls, it may fairly be hoped that the present appeal of the council for financial aid will be cordially responded to by mine adventurers generally. The Report of the Association for the past year (just published by Mr. J. R. Netherton, of Truro) affords ample evidence of the value of their exertious. No less than eleven sound practical papers were read at the last meeting, and the titles of these are enough to show the extent to which they are suited to the wants of those to whom they are addressed. Thus, Mr. Hilary Bauerman contributes a paper on the New Deep Adit in the Upper Harz Mines; Mr. Collins supplies Notes on Boring Machines, and on the Formation of Nuggets in Auriferous Drifts; Mr. Robert Oxland, on Dressing Tin Ore; and there were several other papers, on Dynamite, on a New Calciner for Roasting Tin, on Mineral Phenomena, and on other subjects of great general interest. The volume is well worth reading, as a record of ordinary mining progress.

PREVENTION OF SMOKE FROM FACTORIES.—The Manchester Steam Users' Association continue to exert themselves to camble their members to comply with the Smoke Prevention Act. In his report for the past two months, presented to the Executive Committee on Tuesday, Mr. to comply with the Smoke Prevention Act. In his report for the past two months, presented to the Executive Committee on Tuesday, Mr. L. E. FLETCHER, the chief engineer, states that the Association's trained stoker has visited nine of the unembers' works for the purpose of taking charge of the furnaces, with a view to the prevention of smoke. These visits have been attended with considerable success. The works visited have not been by any means favourable cases, on the contrary they have been attended with difficulty, and several of the owners made application for assistance, on account of the pressure put on them by the Inspectors under the Smoke Prevention Act. In one case the boiler owner had been fined three times on account of the pressure put on them by the Inspectors under the Smoke Prevention Act. In one case the boiler owner had been fined three times on account of the smoke mitted from his chimney; in another he had been summoned to appear before the magistrates, and in others he had been cautioned, and so on. In eight out of the nine cases the result of the stoker's visit was highly satisfactory. He succeeded, without any outlay upon the boilers, and simply by careful handfiring, in reducing the smoke so much that it could no longer be considered a nuisance or as indictable, while in other cases only a faint breath remained, and this only half a minute or so after charging. In some of the boilers the fire doors were blind, whereas they should be always perforated, so that the trials conducted under these circumstances were made at a considerable disadvantage. In several boilers the fire-bars have been shortened with benefit. In one case the effect was tried of driving the engine with two boilers instead of three, and in another with one instead of two, when it was found that the consumption of fuel was the same, whether with the greater or lesser number of boilers in work. In one of the cases, however, the result was not as satisfactory as could be desired. Many of the members who have availed themsel

TECHNICAL EDUCATION, AND ENGLAND'S INDUSTRIAL PROGRESS. At a meeting of the Inventors' Institute, on Thursday evening (Mr. -At a meeting of the Inventors' Institute, on Thursday evening (Mr. manufactured by the company has been produced at a lower cost per ton than in the previous year, so that it is most disheartening to find that the markets have not admitted of the realisation of any of the articles at prices that would afford a divisible profit to the proprietors. After crediting the profits on the sales of the vear, and educting the expenses of the London office, the profit and loss account exhibits a balance at debt of 2875t. 10s. 10d.

The CHAIRMAN moved that the report and balance-sheet be received and adopted. Before proceeding to the discussion he would ask the secretary to read one or two letters which had been addressed by shareholders to the Court of Assistants upon the position and prospects of the company.

The SERGITARN thereupon read a letter received from Capt. M'Nell, which bere testimony to the energy and discretion of the Court of Assistants, and to the care and attention they had exercised in the conduct of the company, and attention they had exercised in the conduct of the company of the court of the cou Hume Williams, barrister-at-law, in the chair), an interesting paper,

amendment of the present Patent Laws that might be attempted especial care should be taken to give no protection whatever to crude ideas—it is crude ideas and not developed inventions that formed the obstacle to industrial progress. A member pointed out that it was the working men themselves who really prevented their fellow-workmen from introducing their inventions, and contended that it was from the working men that all the great opposition to the introduction of new inventions had come. He argued that the state of the Patent Laws had but little to do with the question. A resolution was utilimately passed for sending a deputation to the Premier, with a view to induce the Government to the native, after in the matter. take active steps in the matter.

FOREIGN MINES.

ST. JOHN DEL REY .- Morro Velho, March 1: Morro Velho produce

ST. JOHN DEL REY.—Morro Vello, March 1: Morro Vello produce, 2d division of February, 11 days, 3289 olts, ; yield, 1-626 olts, per ton. Gala produce for the above period, 271 olts.; yield, 0-847 olts, per ton.

DON PEDBO.—March 1: Produce cleaned to date, 15,819 oits.; estimated for month, 18,000 olts. The works have progressed with the usual regularity. Stopes yielded well, and some box work taken out. At Tambor we are pushing on with the exploration west, but as yet no gold. At Alice's east there is also a force stationed. The body of lode at this station is large, but not auriferous. To-day a Californian pump has been fixed in bottom of curre, in hope it will drain the water until the horse-engine is at work, and enable us to prosecute sinking. The work in the mine and also at surface in connection with the horse-engine is being pushed on. At Treloar's level first-class duty has been performed, and at deep adit, notwithstanding troublesome and wet ground, progress made.

with the horse-engine is being pushed on. At Trelour's level first-class duty has been performed, and at deep adit, notwithstanding troublesome and wet ground, progress made.

ANGLO-BRAZILIAN.—Since my last the attendance of force has materially improved, and a satisfactory amount of work has been accomplished, both in and out of the mine. In the features of the lodes no change worthy on not in a studen place. The sinking of the shafts is being prosecuted with all the provided of the mine. The sinking of the shafts is being prosecuted with all the provided of the shafts is being prosecuted with all the provided of the shafts is being prosecuted with all the provided of the shafts is being prosecuted with all the provided of the shafts is being prosecuted with all the provided of the shafts is being prosecuted with all the provided of the shafts is being prosecuted with all the provided of the shafts is being prosecuted with all the provided of the shafts is the shaft in the state of the logical state o

bour investigation of the control of the calit. Cap. Pengilty, therefore, concluded shat this dot a boat 10 fathoms which at this depth. Fengilty tried samples from various parts of it without discovering the control of the control

in the end, driving north at Marmo Rosso level, yields 2 tons of ore per fathom, worth 15 dwts. of gold per ton. At No. 2, or Fisher's level, the end driving south from the inside cross-cut, on the new lode, yields 4 tons of ore per fm., worth by a trial 7 dwts. 18 grs. of gold per ton. The lode in the end driving north from this cross-cut, on the new lode, yields 8 tons of ore per fathom, worth 17 dwts. 18 grs. of gold per ton. The lode in the end driving north from same cross-cut, on the new lode, yields 8 tons of ore per fathom, worth 19 dots. of gold per ton. The stopes in back of this level yield 5 tons of ore per fathom, worth 19 doz. of gold per ton. The lode in the ends driving north and south from second cross-cut, on the new lode, yields 12 tons of ore per fathom, and a new winze sinking in this level yields 15 tons per fathom. We estimate the ore coming from these ends and winze to be worth 119 doz. of gold per ton, and the stopes in the side of this level, on the fiat lode, yields 13 tons of similar ore per fathom. No change to report in the stopes on the great quartz lode. At this level the 3d, or outer cross-cut, has not as yet reached the new lode, but we expect the Will very shortly. At No. 3 level the lode in the end driving south continues to be promising. In the cross-cut cast, at this level, we have intersected a small lode, and have commenced to drive south on it. In 12 metres driving we expect to reach the shoot of ore worked on in the back of No. 4 level. No change in the cross-cut west at No. 4 level. The end north from cross-cut, on a side lode, has reached the junction, as was calculated. We have commenced to drive south on this lode in more settled rock. CAPE COPPER.—March 3: The superintendent being on business at Cape Town, no advices are to hand from Namaqualand. Bills of lading are received for 53 tons, per steamer, from Cape Town. The mining reports, &c., will be received by the regular mail, due here about the 23d inst.

MINING, METALS, AND MINERALS-PATENT MATTERS. BY MICHAEL HENRY,

Patent Agent and Adviser, Memb. Soc. Arts, Assoc. Soc. Eng.

Patent Agent and Adviser, Memb. Soc. Arts, Assoc. Soc. Eng.

A patent has just been specified for improvements in apparatus for weighing, and also in cranes or lifting apparatus combined with weighing apparatus, communicated from abroad by PIERRE MICHAUD and LOUIS JOSEPH JAY, of Paris. In this apparatus a lever or beam is employed, which lever or beam, or the axis thereof, works on a knife edge or knife edges. One arm of the lever or beam carries the article or matter to be weighed, a tray, plate, pan, platform, or other support or holder for such article or matter being connected with or formed on the said arm. The other arm of the lever or beam carries, or is formed or furnished with, a counterpoise or a counterbalance weight. The lever or beam works, rocks, or oscillates on the knife edge or edges, and it or its axis is connected with, or works appliances which actuate, a pointer travelling over a graduated dial to indicate the weight. When an article or matter to be weighed is placed on or in the tray or other support formed on or connected with one arm of the lever or beam, the counterpoise or weighted arm swerves from the perpendicular, being, of course, pendulous; and, by the arrangements in connection with it, the lever or beam acts upon the pointer ments in connection with it, the lever or beam acts upon the pointer which indicates the weight on the dial. In order that the invention may be thoroughly understood, some arrangements are described by way of exemplification of its application. A weighing machine may be thus constructed according to this invention. The lever or beam working on the knife edge has on its axis, or on a part of the length of its weighted arm, a friction roller acting on a bent lever or arm, carrying a toothed segment in gear with a pinion on the axis of a dial pointer, so that when the weighted arm swings out of the vertical it works the pointer, which thereupon shows the weight. The lever or beam may be supported on a stand or standing frame, or it may be suspended on a pendant arm or frame. The invention may be applied to a steel-yard arrangement, thus:—One arm carries the counterpoise or weight and the other is connected with and acted on hy terpoise or weight, and the other is connected with and acted on by terpoise or weight, and the other is connected with and acted on by crank arms working on knife edges, and supporting the tray, plate, or platform for receiving the article or matter to be weighed. In cranes or lifting apparatus combined with weighing apparatus, the latter is constructed according to this invention, and one arm of the lever or beam is weighted, or carries a counterpoise, as before, while the other arm is connected by a bar or rod working on a knife edge or knife edges with the jib or weight-supporting arm of the crane or lifting apparatus, which is jointed or articulated at its lower end, or made moveable, so that it may move or change its position as necessitated by the weight, its change of position acting through the connecting arm on the lever or beam, and causing the counterpoised arm thereof to work and transmit motion by the bent lever and toothed segment, or other ordinary transmitting contrivance, to the pointer on the dial. on the dial.

MINING NOTABILIA.

MINING NOTABILIA.

[EXTRACTS FROM OUR CORRESPONDENCE.]

CUDDRA.—A correspondent writes—The splendid discovery made in this mine about six weeks ago in the bottom level (the 142) continues to open up westward very successfully. It is too carry to speak yet of the full value of this course of tin, as the lode, which has varied elsewhere in size from 2 to 3 fms. wide, has only been cut into a few feet at most. To show somewhat of its value, it will be sufficient to state that during the four weeks there was taken out of this level only in driving and cutting out the lode for 5 or 6 fms. In length, without any stoping whatever, is tons of thistuff. If this discovery had been made in some mines better known in the market it would have raised the price of shares many pounds. However, as bott time only will be necessary, it is though a few many pounds. However, as bott time only will be necessary, it is though the important property.

TIN MINING ON DARTMOOR.—Operations have again commenced at the celebrated Oid White Works Tin Mine, near Prince Town, and there is every prospect of good returns belief the prily made by the spival, and there is cvery prospect of good returns belief the prily made by the spival of the more improved description. The re-working of this mine has long been looked for by many of the Dartmoor tin miners, to whom it will prove a great boon. There is a large quantity of thistuff already at surface, which will soon be in the market. The mine has been started by a London company. Mr. H. Barton is the managing director, as well as a very large shareholder.

SOUTH CONDURBOW.—In accordance with the advertisement published in the Mining Journal, 345 shares in the South Condurrow Mine were offered for sale in various tots in the Court of Stannaries, at Truro, on Wednesday. The prices realised were for 55 shares it. 13s. it. 3s. da; to these prices 2s, per share must be added for the last call, which is payable according to the countinos of sale. The remaining shares were bought in by the Court; for 40

intersection of a lode cut in the cross-cut above in this stuking, where we anticipate an improvement.

Peschiera: The lode in the end of the 16 south yields 2 tons of ore per fathom, worth 10 dwts. of gold per ton. The stopes in the back of this level yield 4 tons of ore per fathom, worth 18 dwts. of gold per ton. The stope in the bottom of the 46, on No. 2 lode, yields 3 tons of ore per fathom, worth 18 dwts. of gold per ton. The stopes in the back of the 55 yield 3 tons of ore per fathom, worth 1 dwts. of gold per ton. The stopes in the back of the 50 yields 3 tons of ore per fathom, worth 1 oz. of gold per ton. The stopes in the bottom of the 70 north is poor at present. The stopes in the bottom of the 70 north is poor at present. The stopes in the bottom of the 70 north is poor at present. The stopes in the bottom of the 70 north is poor at present. The stopes in the bottom of the 10 north is poor at present. The stopes in the bottom of the 10 north is poor at present. The stopes in the bottom of the 70 north is poor at present. The stopes in the bottom of the 70 north is poor at present. The stopes in the bottom of the 10 north is poor at present. The stopes in the bottom of the 10 north is poor at present. The stopes in the bottom of the 70 north is poor at present. The stopes in the bottom of the 70 north is poor at present. The stopes in the bottom of the 70 north is poor at present. The stopes in the bottom of the 70 north is poor at present. The stopes in the bottom of the 70 north is poor at present at present in the mines, and the mines have experienced a considerable voltage in price in price. The mine has improved in the the name is in precedent of accounts, altitude the new tamps that have experienced a considerable voltage in price in price. The mine has improved in the 40, cast of Colonella the new tamps that have experienced a considerable voltage in price. The mine has improved in the 40, cast of Colonella the mines have experienced From Mr. EDWARD COOKE: The favourable state of the Tin Mar-

4l. paid and 5000l. in cash. The property has been estimated at much over the above amount by an independent party (the manager of very large lead mines, paying regular dividends), therefore the company will acquire the mine at a very reasonable price. From my own knowledge of the property I feel very confident it will prove a great success in every sense of the word. I remember that West Chiverton shares were first introduced to the public at 20l. per share, in the same number as the Great Rock—3000 shares—and they are now 52l. and have been up to 80l. I think it is highly probable that Great Rock shares will see a high price, entirely on their intrinsic merits. The reports of all the agents who have inspected the mine concur in the testimony of its being a valuable property. A large number of the shares (in addition to the vendors' shares) have been applied for privately. The secretary to the company is also the secretary of the VAX MINE. The latter mine continues to open up splendidly, and is daily adding to its immense reserves of load. The latter reports from the mine are of the most satisfactory character. The shares have been in good request by parties who regard them as a good investment that will give steady dividends for many years to come. At New TAMAR I am informed that there are 30 men raising lead at an average tribute of 5s. In 20s. The prospects are said to be very good.

HOLLOWAY'S PILLS AND OINTMENT.—For all skin diseases, however inveterate, these medicines are a sovereign remedy. While the ointment passes through the pores of the skin, as water saturates the soil, or as sait permetes meat, the pills act upon the blood, which they correct and purify. The whole physical machinery is thus rendered healthy, regular, and vigorous. The cure thus effected is not partial and temporary, the disease is entirely and forever driven from the system, and the patient need not be approhensive of its return. As these medicines have no violent action they do not necessitate any interruption of ordinary avocations. They are composed of rare balsams, and may safely be given to young children and delicate females.

FOR SALE,—A CONDENSING BEAM WINDING ENGINE,
with 28 in. cylinder, 6 ft. stroke, short D valves, two eccentries, and link
motion, two fly wheels, feed and air pumps.
Apply to Messrs. INGRAM and BATLEY, 8, Duke-street, Adelphi, London.

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PO BE DISPOSED OF, on the most reasonable terms, ONE SHARE in the DOLGOED SLATE AND SLAB QUARRY.

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Apply to Mr. R. PENDERSON, Land and Mine Agent, Kidwelly.

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For further particulars, apply to Mr. MATTHEW GREENE, 14, Pinner's Hall,
Old Broad-street, London, where samples may be seen.

TOLET, A VALUABLE COAL MINE.—
Apply to Mr. George Davidson, Mawley, Cleobury Mortimer, Shropshire.—Dec. 12, 1868.

RHENISH PRUSSIA.

EVERAL VALUABLE MINES FOR SALE,—LEAD,
COPPER, BLENDE, and IRON. The Mining Laws of Prussia give with
the concession to work, an absolute right of property in the mine for ever, subject only to a royalty of 2 per cent.
Apply to Mr. Younghusband, 614. Wilhelm Strasse, Bonn-on-the-Rhine.

LEAD SETTS,—MR. W. PAYNTER, JUN., has FOR DISPOSAL several LEAD SETTS, all of which are situate in good LEAD PRODUCING DISTRICTS, and promise well for produce on a small outlay. For further particulars, apply to Mr. W. PAYNTER, Jun., Wadebridge.

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OLDBURY WORKS, NEAR BIRMINGHAM.
MANUFACTURERS of RAILWAY CARRIAGES and WAGONS, and EVERY DESCRIPTION of IRONWORK.
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for hire capable of carrying 6, 8, and 10 tons, part of which are constructed speetally for shipping purposes. Wagons in working order maintained by contract.
EDMUND FOWLER, Sec.

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PERRANARWORTHAL, CORNWALL.
MANUFACTURERS OF STEAM PUMPING and EVERY OTHER KIND of
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ELFORD, WILLIAMS, and Co. having crected an assay office, and engaged the services of a practical Cornish assayer, who will devote his whole time to this branch of their business, they are now in a position to make correct assays of silver, copper, and other mineral ores, on the most moderate terms.

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STEPHEN BARKER begs to inform the Trade that he has the following articles for sale:—REFINED METALLIC NICKEL.

REFINED METALLIC BISMUTH.

OXIDE OF COBALT.

GERMAN SILVER—IN INGOTS, SHEET, WIRE, &c.

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GOLDENHILL, COBALT, NICKEL, COLOUR, BORAX AND CHEMICAL WORKS, NEAR STOKE-UPON-TRENT, STAFFORDSHIRE. JOHN HENSHALL WILLIAMSON, MANUFACTURER AND REFINER, Purchaser of Borate of Lime and Tincal.

SAFETY FUSE,—Messrs, WILLIAM BRUNTON AND PENHALLICK, POOL, near CAMBORNE, CORNELLOR PENHALLICK, POOL, near CAMBORNE, CORNWALL, and BRYMBO, ar WREXHAM, MANUFACTURERS OF FUSE, of every size and length, as biblied in the Great Exhibition of 1851. And supplied to the Royal Arsenal at

cross-cut being met with. This may become one of the richest mines in Cornwall.

NORTH LEVANT.—The reports continue to be of a very favourable nature, and the profit for the six months ending June will be very satisfactory to the shareholders. It is said the mine never looked better than at present.

[ADVERTISEMENT.]

From Mr. EDWARD COOKE: The favourable state of the Tin Mar-

Practical Geology.-King's College, London.

PROF. TENNANT, F.G.S., will give a COURSE of LECTURES PROF. TENNANT, F.G.S., will give a COURSE of LECTURES ON GROLOGY, having especial reference to the application of the Science to Engineering, Minning, Architecture, and Agriculture. The LECTURES will COMMENCE on FRIDAY, April 2th, at Nine A.M. They will be continued on each succeeding Wednesday and Friday, at the same hour-fee, £1 list, 6d. Professor TENNANT accompanies his students to the Fublic Museums, and to places of Geological Interest in the country. He also gives PRIVATE INSTRUCTION in Mineralogy and Geology at his residence, No.149, Strand, W. C.

T H O M A S T H O I T H O M A S, M R.

THE MONEYS OF ALL NATIONS, WITH THEIR CORRECT VALUE IN ENGLISH CURRENCY. Six copies sent free by post on receipt of two ponny stamps.

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NEW ZEALAND QUARTZ CRUSHING AND GOLD MINING COMPANY (LIMITED),

CAPITAL, £50,000, IN 25,000 SHARES.

First issue, £25,000, in 12,500 shares of £2 each; 10s. to be paid on application, and 15s. on allotment; the remainder three months after.

No further capital called without consent of shareholders.

DIRECTORS.

EDWIN LANKESTER, M.D., F.B.S., Coroner for Middlesex—CHAIBMAN. Major-General DOWNING, Director of the Don Pedro Gold Mining Company. J. GOULD AVERY, Director of the Great Britain Mutual Life Society. Hon. J. TOBIN, Chairman of Trustees, Nevada Properties Trust. G. KERR (Gilbert, Kerr, and Co.), 3, Abchurch-lane, E.C.

ABRIDGED PROSPECTUS.

The object is to employ machinery on the Thames Gold Field. It is easy of access, and the reefs contain an amount of gold exceeding any over yet recorded —15 out of 700 square miles, surficrous, are only yet occupied. Authentic information states that out of the 1500 claims open not 50 have machinery, but the miners, said to be 15,000, knock out the gold with hammers, and an instrument like a paviour's rammer.

Manukau Claim realised 366 cos. from 25 tons of stone; Kelly's Claims, 8307 cos. in five weeks' crushing; Helde's Claim, 75 cos. from 10 tons of quartz; Golden Crown Claim realised 366 cos. from 25 tons of stone; Lucky Hit Claim, 77 cos. from 1 owt. of stone; Prince of Wales yielded at the rate of 20 cos. to the ton; Sink to Rise, 86 cos. from 1 owt. of stone; Tapu Gold Mining Company, 32 tons yield 113 cos. retorted gold. The yield of 5 cwts. of stone from Golden Crown Claim was 2000 cos. A bet is made that 5000 cos. of gold will be got out of a ton of stone from this claim, &c.—See Daily Southern Cross, Nov. 2, 1888.

From Hunt's Claim the yield of 1500 cos. was obtained from 16 hours' crushing and in four days the out-turn was 5207 cos.—See Money Article of the Times, Oct. 1, 1862.

There are thousands of tons of stone lying waiting for machinery.—New Zealerd More, 2, 1658

Times, Oct. 1, 1867.

There are thousands of tons of stone lying waiting for machinery.—New Zealand Herald, Nov. 2, 1868.

PROSPECTUS.

The want of crushing machinery suited to the peculiar fineness of the gold is at present the greatest drawback to the progress of this field, but only second to it is the insufficient number of any sort of machiners.

The Shortland Times, Dec. 24, says hundreds of thousands of tons of quartz are piled in all directions, waiting for machinery.

To supply this demand for machinery, and to work for the miners, and crush at per ton, or the rate ruling at the mines, and also on the usual terms of sharing the profits, is the object in view, for which purpose the directors have engaged a gentleman of high character, well experienced in Australian gold mining, who has agreed to make his remuneration entirely depend on success, by accepting a proportion of fully-paid shares, and a small percentage on the profits. Advantages are freedom from risk or speculation, and lowest estimate of profits is shown to be 76 per cent. See full prospectus.

An engineer of character and ability, and 17 years' experience in quartz crushing and gold refining, has been provisionally engaged.

Complete prospectuses, forms of application, and manager's plan of operations, can be had by applying to the brokers, Messars, Power and Davis, or to the Secretary, at the temporary offices of the company, 28, Moorgate-street, City.

JOSEPH SIMPSON, Secretary.

Mining Correspondence.

BRITISH MINES.

BEDFORD UNITED.—J. Phillips, April 6: The engine-shaft is now 11 fms. below the 190, and good progress is being made in sinking. There has been no ode taken down in the 90 east or west for the last three weeks. The lode in the 75 east is 4 ft. wide, and producing full 5 tons of ore per fathom; a very promising lode. The stopes throughout the mine continue to yield from 4 to 5 tons of ore per fathom.

ng lode. The stopes throughout the mine contains a system of the main drivire per fathom.

BRONFLOYD.—T. Kemp, April 7: The cross-cut south from the main drivige at the 73, west of new shaft, is opened into the ore-bearing part of the lode
it, and it is worth for that length over 3 tons of lead ore per cubic fathom.—
Did Shaft: The 52 fm. level end west, on the south lode, is producing fully 15 cwts.
If lead ore per fathom; should this discovery continue on for some length it
will greatly enhance the value of the mine. All other bargains are without
literation to notice.

will greatly enhance the value or the induction. April 3: We have to-day set alteration to notice.

CAPE CORNWALL.—R. Pryor, John Davey, April 3: We have to-day set the following bargains:—The 100 cross-cut to drive north of engine-shaft, by four men, at 13t, per fathom: the ground is hard and spare for progress, being intermixed with spar, mundic, and spots of copper ore, indicating that we are near a lode. The 70 cross-cut to drive south of engine-shaft, by four men, at 13t, per fathom; this end is letting out a little water, and in a beautiful channel of mineralised ground; these two points are being pushed on with all possible speed.

mear a lode. The 70 cross-cut to drive south of engine-shate, by four men, at 131, per fathom; this end is letting out a little water, and in a beautiful channel of mineralised ground; these two points are being pushed on with all possible speed.

CARADON CONSOLS.—S. Bennetts, April 6: The ground in the south shaft bolow the 78 continues good. There has been no lode taken down in the 78 west during the week; there seems to be no particular change in the capels around it. The 78 east, on the same (gossan) lode, is about 1½ ft. wide, and much the same character as on the west side of the cross-cut. In north cross-cut is now passing some sparry branches, which makes the ground somewhat harder.

CEFN BRWYNO.—Jas. Pauli, April 6: I have this day forwarded by rall a few stones of lead ore from the 56 east; the lode here, I am glad to say, is steadily improving, and now worth 1 ton 15 cwts. of lead ore per fathom. All other point are looking much the same as when last reported on.

CENTRAL MINERA.—W. Davies, April 3: The 50 yard level west is in easy ground, and yields occasional stones of lead. The rise in the back of this level has communicated with old workings, and is suspended. The pitch in bottom of the level is worth 5 cwts. of lead per fathom. I am dally expecting to cut luto a more productive lode, and am disappointed. We have not discovered it before now; the ground is very encouraging.

CENTRAL SNAILBEACH.—J. Kitto, April 2: In my report, dated March 15, I stated that we have got through the lode in the 200 yard level cross-cut, but in driving west on course of same we have discovered that this is not the case, but that there is still more lode standing to the north. I have put the men to cent through tut until they find the proper wall, and when this is done I williagain; report prospects. The lode is very strong and masterly, and contains spois of lead ore, and I should not be surprised to find it much this level, and looking very promising for an improvement. We have commenced to drive the 75 west on the

At this place we are raising good work for tin. In the other parts of the mine there is no change to notice. We sold on the 25th of last month 22½ tons of tin, realising 1832.

CWM ERFIN.—April 6: We continue to drive the 20 fm. level, east of the boundary; the lode in this end is I ft. wide, composed of a light clay-slate, veins of spar, and spots of mundic. The various stopes over the back of the deep adit level, in which we have 16 men employed, are turning out well; the lode varies from I to 3 yards wide, and will yield on an average 1½ ton of lead ore per fm. The lode in the rise over the back of the deep adit level, is lin. wide, composed of killas, branches of spar, and spots of mundic. The lode in Taylor's drift, going west from the rise over the back of the deep adit level, is lin. wide, composed of killas, branches of spar, and spots of mundic. The lode in the same level, which is being driven east of the boundary, is 4 ft. wide, and carrying a branch of quartz and mundic on each wail of the lode about 3 in. wide. The lode in the stope in the bottom of Taylor's shafr, 10 fathoms west of Roberts's winze, is 1 yard wide, and worth 15 cwts. of lead ore per fathom. The lode in the stope in the bottom of Taylor's shafr, 10 fathoms west of Roberts's winze, is 1 yard wide, and worth 15 cwts. of lead ore per fathom. The lode in the stope in the old ore per fathom. Williams's level is being driven forward into the hill, in a lode 2 ft. wide, containing killas, quartz, and spotted with mundic; the walls of the lode are very flat, and bearing too much north to be productive for lead ore. The lode in the stope in the bottom of Williams's level is 18 in. wide, and worth 12 cwts. of lead ore per fathom. The cross-cut is being driven north in this level, by four men, but nothing has been met with of any value.

EAST CARN BREA.—I. Richards, April 7: The lode at Thomas's engine-shaft is 2ft. wide, composed of capel, quartz, mundic, and good stones of tin and copper ore.—Thomas's Righne-shaft: No. 8 Lode: In the 90 wes

wide, and worth 1 ton of copper ore per fathom. The touch appropriate in bottom of the 60 fm. level, west of Buckley's shaft, is worth 4 tons of copper ore per fathom.

EAST GUNNISLAKE AND SOUTH BEDFORD CONSOLS.—J. Bray, April 7:
We have cleared up Impham shaft to a depth of 2 fathoms below the adit, and find the lode in the eastern end thereof is all taken away. In the western end of the same it is 6 feet wide, composed of spar and peach, producing good stones of yellow ore. No other change to advise you of since my last.

EAST FUNDICE.—J. Nancarrow, W. White, April 3: The following work was set to-day:—Boorman's shaft to sluk below the 122, by six men and three to boys, at 232, per fm. The 123 to drive on the canning, by six men, at 121, per fm. The 106 to drive north, by four men, at 51, per fm.; iode continues tinny, and is opening up valuable ground. The 60 to drive cast, by two men, at 31, per fm.; iode continues tinny, and is opening up valuable ground. The 60 to drive cast, by two men, at 31, per fm.; this end is now just getting into the lode cast of the cross-course. The 50 to drive east, by two men, at 81, per fm.; this end is now just getting into the lode cast of the cross-course. The 50 to drive east, by two men, at 81, per fm.; this end is now just getting into the lode cast of the cross-course. The 50 to drive east, by two men, at 81, per fm.; this end is now just getting into the lode cast of the cross-course. The 50 to drive east, by two men, at 81, per fm.; this least, by two men, at 81, per fm.; this least, the lode is 13 fn. wide, producing stones of copper ore, but not to value. In the 115, west of shaft, the lode is 81 m. wide, worth 82, per fathom each. In the 115, east of shaft, the lode is 81 m. wide, worth 82, per fathom. One stope in the back of this level are worth 82, per fathom. One stope in the back of the rise, over this end, is worth 84, per fathom. In the rise in the back of the the rise, over this end, is worth 84, per fathom. In the rise in the back of the the rise, over thi

les east of shart, the looks in 10 in. wide, worth 41 per faibon. One stope 10 is 11 in. wide, worth at per faibon.

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WATSON BROTHERS' MINING CIRCULAR

WATSON BROTHERS.

MINING AGENTS, STOCK AND SHARE DEALERS, &c. 1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

I, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

MESSRS. WATSON BROTHERS return their most sincere thanks for the great patronage bestowed and confidence reposed in their firm for 25 years, and to assure their friends and clients it will be their earnest endeavour to merit a continuance of both.

Messrs. WATSON BROTHERS have made arrangements for continuing their weckly Circular, which has had a large circulation for many years, to the columns of the Mining Journal, their special reports and remarks upon mines and mining, and state of the share market, will in future appear in this column. In the year 1843, when Cornish mining was almost unknown to the general public, attention was first called to its advantages, when properly conducted, in the "Compendium of British Mining," commenced in 1837, and published in 1843, by Mr. J. WATSON, F.G.S., author of "Gleanings among Mines and Miners," "Records of Ancient Mining," "Cornish Notes" (first series, 1869), "Cornish Notes" (second series, 1863), "The Progress of Mining," with statistics of the Mining Interest, annually for 21 years, &c., &c. In the Compendium, published in 1843, by Mr. J. WATSON BROTHERS have always a selected list on hand. Perhaps at no former period in the annuals of mining has there been more peculiar need of honest and experienced advice in regard to mines and share dealing than there is a tpresent; and, from the lengthened experience of Messrs. WATSON BROTHERS, they are emboldened to offer, thus publicly, their best services to all connected with mines or the market, as they have for so many years done privately, through the mediu of their own Circular.

Mossrs. WATSON BROTHERS transact business in the purchase and sale of mining shares, and other securities, payments of calls, receipt and trausmission of dividends, obtaining information for clients, and affording advice, to the best of their knowledge and judgment, based on the experience of more than 30 years active connection with the Mining Market.

Messrs. WATSON BROTHERS are also daily saked t

ways equal the expectations they may have held out in a property so fluctuating as mining.

Messra. WATSON BROTHERS having agents and correspondents in all the mining districts, and an extensive connection among the largest holders of mining property, have the more confidence in tendering their advice on all matters relating to the state and prospects of mines and mining companies, and are able to supply shares in all the best mines at close market prices, free of all charge for commission.

to supply shares in all the best mines at close market prices, free of all charge for commission.

SATURDAX.—Market rather quiet. East Grenville declined to 5½. Grenville, 51s. to 53s.; Prince of Wales, 21s. 6d. to 22s. 6d.; West Basset, 35s. to 40s.; Chontales, 1½ to 1½; West Chiverton, 51 to 53; West Frances, 51 to 53. MoNDAY.—Market active for tin mines. Providence, Great Vor, West Frances, West Basset, Frince of Wales, and Frontino in good demand, at an advance, Providence, 41 to 43; Great Vor, 18 to 19; West Frances, 55 to 57½; West Basset, 15s. 6d. to 62s. 6d.; Prince of Wales, 12s. to 25s.; Frontino, 19s. to 20s.; Grenville, 55s. to 54s.; Uny, 3% to 4; Tincroft, 19 to 29; Chontale, 27s. 6d. to 32s. 6d.; East Grenville, 5½ to 5½; Taquaril, 11s. to 13s.; Don Pedro, 4½ to 4½; General Brazilian, 15s. 6d. to 16s. 6d.

TUREDAY.—Active demand for Grenville, East Grenville, West Frances, West Basset, Tincroft, Redmoor, Drake Walls, Great Vor, Buller, Kitty (St. Agnes), and Prince of Wales. Grenville, 64s. to 56s.; East Grenville, 5½ to 5½; West Basset, Tincroft, 19 to 21; Redmoor, 2s. 6d. to 4s.; Drake Walls, 30s. to 22s. 6d.; Great Vor, 19 to 20; Buller, 14 to 16; Kitty (St. Agnes), 5½ to 6; Prince of Wales, 8s. to 25s.; Agar, 28s. to 30s.; Chontales, 75s. to 30s.; Chontales, 25s. to 30s.; Tencroft, 19 to 30; Great Vor, 18½ to 19½; Frontino, 19s. to 20s.; Chontales, 25s. to 35s.; Tencroft, 19 to 20; Great Vor, 18½ to 19½; Toutino, 19s. to 20s.; Chontales, 25s. to 35s.; Frontino, 19s. to 21s.; Chontales, 13s. to 11s.

THURSDAY.—Market very active for shares in the mines, at advanced prices. Frontino, 19s. to 21s.; Chontales, 13s. to 19s. to 21s.; Chontales, 13s. to 17s.; Frontino, 19s. 6d. to 29s.; Chontales, 13s. to 17s.;

DRICKS OF WATERIALS

PRIUSS	•	D M	AI	TO IL	AL	ıD,			
As charged at the PROVIDE	NO	E MINI	es du	ring t	he fo	llowing	mon	ths:	-
	00			Nov.		Dec.		Ja	n.
Common iron per cwt.		s. 0d.		-	****	-			-
Hoop ditto	12			ermin		-			-
Borer, cast steel ,,	30			-		****			-
B. B. ditto	44			-		-			-
5-in. patent nails	19			-		1000			tomopi
416-in. ditto	19			-		-			-
314-in. dittoper 1000	6	0		_		-			-
8-in. ditto	4	8		-					otens.
Steel-point shovels per cwt.	48	0		488 00					-
Winze kibbleseach		-				man.			-
Sheet leadper cwt.		-		30 0		-			-
Leatherper lb.	1	6		-		-			(artificia)
Norway timberper foot				. 8		8d			-
M. C. coals (contract), per ton									
Best Candles, free p. doz. &s				6 8	****	6 8	****		9
Tallow, dittoper cwt.				-		54 6		80	0
Engine oil, ditto per gallon	3	9				-		8	9
Powder, dittoper 100 lbs.	33	0		33 0		mes			erande.
Safety fuse, ditto per coll		43.0	****	4		4			4
Hemp, ditto per lb.		617		-		-	****		190.0
White yarn, ditto ,,		01/8		-		51/6			1000

PETROLEUM.—Mr. Felix Foucon, C.E., having, in 1866, visited the petroleum regions of North America for scientific purposes, has now published the results of his researches. Speaking of the oil springs at Petrolia, in Upper Canada, he states that a hole having been bored to the depth of 377 ft. on on. of the banks of a stream, the pressure of the gas which is generally set free by this process caused the oil to spring up to a considerable height above the level of the soil, not in a continuous jet, but at regular intervals. The gas of the place called Burning Springs, just above the Niagara F. ils, issues in bubbles from a sulphurous spring, arising from a stratum of red and green Medina grit-stone, which rests on the schistus of the Hudson formation; it is this latter bed which yields all the inflammable gas. At Floueer Run, Pennsylvania, there are two Artesian wells, not more than 60 feet distant from each other; here the gas is separated from the oil by means of seed bags, so as to bring each of these substances to the surface through different channels. The gas of one of the wells burnt with a fine clear fame, while that of the other, on the contrary, yielded a smoky and sooty one. The township of Fredonia, in the State of New York, is entirely lighted with the natural gas issuing from a depth of 80 feet.

driving east of the Pressure shaft, the lode is 2\(\) ft. wide, worth 6i. per fathom. In the rise in the back of this level there is no alteration; the lode is worth 15i. In the rise in the back of this level there is no alteration; the lode is worth 15i. per fathom. In the 30 fathom level end, east of Annie's engine-shaft, the lode is 18 inches wide, worth 2i. 10a, per fathom, the back of which will be taken away on tribute.—Middle Lode: Curtis's flat-rod shaft is sunk 2 fathoms below the 20; the lode is 2 feet wide, worth 3i. per fathom. In the 20 fathom level end, driving east of this shaft, the lode is 2\(\) feet wide, worth 15i. per fathom. In the 3c driving east, the lode is 1 foot wide, worth 3i. 10a. per fathom.—In the 7, driving east, the lode is 1 foot wide, worth 2i. 10a, per fathom.—Caunter Lode: In the 20, east of Curtis's shaft, the lode is 6 in. wide, worth 15i. per fathom.—South Lode: In the adit level, driving west, the lode is 8 mind and poor.

GREAT WHEAL BADDERN.—W. Giles, J. Jenkin, April 6: We have set today the 75 cross-cut to drive north, by eight men, at 20i. per fan., for the month. The engine and other operations are working as usual. We intend to make preparations and fix the dam in the south cross-cut as fast as possible.

GWYDYR PARK.—W. Smyth, April 6: In the shaft at Gwyn Lilfion the lode is still small, and the ground spare for sinking. There is no particular change in the Vuchesias deep adit since last report.

HARWOOD.—Wm. Vipond, April 3: There is no change in the level driving north at Sear Head; it is set at 43s, 6d, per fm. Two men are stoping the new string at Trough at 24s. 6d, per fm., and it is producing about the same as previously reported. The best ore is in the middle part of the limestone. The level yields nice saving work; any intersection here will make this richer a once.

HINGSTON DOWN CONSOLS.—James Richards, April 8: In the stope near single shaft, the ground is hard and slow for progress. In the 55, east of Morris's shaft, and east of the eastern cross-cu

torth for lead ore 2 tons per fathom. There is no change in the 62 fm. level wace last report.

LOVELL CONSOLS.—J. Nancarrow, April 6: The winze sinking below the adit in the western part of the tin geound is improved, and yields rich quality tinstiff. We are making good progress in the rise above the 12, but it does not appear to be on the same lode on which we are sinking, for all the tin in the bottoms seems to be going down in whole ground to the north of it, and, if so, shall soon get up a good parcel of tin; this will be fully proved in alshort time.

MAES-Y-SAFN.—April 7: The 350, west of Grovenor's shaft, is still na hard are of ground, and the lode continues small and poor. The lode in the 330 east is 2 feet wide, but unproductive. In the 310 east the lode is not yielding any ore in the present end of the level. The lode in the 370, both east and west of the sump-winze, is 6 feet wide, it contains stones of ore, and is of a very promising appearance. In the 350 east the lode is 4 ft. wide. We expect to meet with ore in this level soon. In the 350, west of the sump-winze, the lode is 5 ft. wide, producing a little ore, but not of much value. The lode in the 270, east of No. 2 shaft, is 5 feet wide—a promising lode, and yielding stones of ore. The stopes and pitches throughout the mine are looking just as usual, and will yield about 110 tons per mouth.

producing a little ore, but not or muce values and yielding stones of ore. The stopes and pitches throughout the mine are looking just as usual, and will yield about 110 tons per month.

MAUDLIN.—J. Tregay, April 3: The lode in the stope in back of the deep adit level will produce 1½ ton of copper ore per fathom. In the rise the lode is still unsettled, producing stones of copper ore in the branches. No other change.

MINERA UNION.—W. T. Harris, April 8: At Low's shaft in the cross-cout driving west at the 60 yard level we have cut into the lode; so far as seen its character is very promising, and produces a little lead. I shall be better also character is very promising, and produces a little lead. I shall be better also character is very promising, and produces a little lead. I shall be better also character is very promising, and produces a little lead. I shall be better also character is very promising, and produces a little lead. I shall be better also character is very promising, and produces a little lead. I shall be better also character is very promising, and produces a little lead. I shall be better also character is very promising, and produces a little lead. I shall be better also character is very promising, and produces a little lead. I shall be better also be propered. The same may be applied to say and level cross-cut is without change to report. The same may be applied to the various points of operation throughout the mine.

NEW CROW HILL.—A. Kent, T. Trelease, April 6: We have no change to notice in the engine-shalt; we are sinking at a moderate rate.—Wheal Louisa: At the 75 the cross-cut appears to have just reached the south wall of the lode but we intend to drive it a little further to make sure that we are through the lode; the part of the lode where we have cut through appears to be from 12 to 14 feet wide, composed of about 3 feet of capel, spar, mundie, &c., and about 10 ft. in width of flookan and decomposed killas, and branches of spar and mundic, but without lead ore. After having st

dic, but without lead ore. After having stopped the cross-us we have cast on the course of the lode, as there was a kindly lode in the bottom of the winze below the 60.

NEW GREAT CONSOLS.—R. Pryor, T. Bennetts, J. Pryor, April 6: There has no particular change taken place in this mine since our last report. Saturday next being our pay and setting-day, a full report shall be sent you.

NEW TRELEIGH.—S. Michell, April 8: There is no material change in the mine for some days past. I consider the lode in the new shaft is showing a mine for some days past. I consider the lode in the new shaft is showing a little more ore. The 78 cast is worth 4 tons of ore per fathom. The stopes in the back of the same level are worth 3 tons per fathom. The western end at the same level are worth 3 tons per fathom. The western end at the same level are worth 5 tons per fathom. The western of the same level is going up by the side of the lode, and no lode will be taken down for this level is going up by the side of the lode, and no lode will be taken down for the week; I fancy it is pretty good, from what can be seen from cutting into it. The stopes in the back of the 70, west of western cross-course, are looking better, and there is severy probability of being able to report much more lavourably on these points next week, and at the same time the lode in the back of the 78 fm. New WHEAL TOWAN.—R. Pryor, April 7: The lode in the stopes is looking a little better, and I think that it will improve as it gets out of the influence of the slide.

NORTH RETALLACK.—G. R. Odgers, J. Harris, April 3: We have set a tri-

and there is every probability of being able to report much more ravourably on these points next week, and at the same time the lode in the back of the 78 fm. level rise will also be taken down.

NEW WHEAL TOWAN.—R. Pryor, April 7: The lode in the stopes is looking a little better, and I think that it will improve as it gets out of the influence of the slide.

NORTH RETALLACK.—G. R. Odgers, J. Harris, April 3: We have set a tribute pitch in the 10, at 10s. in 11., for sliver-lead.

NORTH ROSKEAR.—R. Goldsworthy, R. Angove, April 7: On Saturday evening, March 27, the north add tof this mine broke in; this caused a heavy stream of water to fall down the mine, and by the time we had secured the break, which took about 18 hours, the water had risen 40 fms; we are, however, glad to inform you that the 216 fm. level is unwatered, and the men resumed working. The water is now 8 fms. below the 216 fm. level; and, judging from the present state of forking, we shall get the mine all drained in five or six days from this date. We have nothing new in the mine since our last report. We sold on the March 31, 14 tons 14 cwts. 3 qrs. 14 hs. of black tin, for 1661, 11s.: we expect to have a similar quantity for our next sale.

PEDN-AN-DREA UNITED.—W. Tregay, J. Thomas, April 3: Sump: In the 140 cast the lode is worth 101, per fm. In the 140 west the lode is worth 351, per fation. In the 120 west with such a similar quantity for our next sale.

PEDN-AN-DREA UNITED.—W. Tregay, J. Thomas, April 3: Sump: In the 140 cast the lode is worth 101, per fm. In the 140 west the lode is worth 31, per fm. The lode in the 30 cast rise the lode is worth 31, per fm. The lode in the 120 north. In the 130 west end the lode is worth 51, per fm. Noth Lode: The lode in the 90 cast end is still mixed up with the cross-course, producing good stones of tin; we expect an early improvement. In the 90 west the lode is worth 51, per fm. The lode in the 90 cast end is worth 121, per fm. The lode in the 55 wast end is worth 122, per fm. The lode in the 50 ca

soon as the plat is completed we shall commence to drive north, to intersect the lode, which will be under the silde, and where I expect to find a good improvement. We have four men in the 74, engaged cutting ground for balance-bob. Ritchle's shaftmen are making good speed in cutting plat in the 75; after this is finished I propose to drive south, as several branches, in sinking the last sump, dropped off south, and I think a part of the lode is standing in that direction. PRINCE OF WALES.—J. and Wm. Gifford, April 9: The cross-cut north in the 65 east is driven 3½ fathoms, and nothing as yet met with. In the 65 west we are driving by the side of the lode. In the 65 east the lode is 2ft. wide, composed of capel and gossan. In the cross-cut south in the 65 east at present the ground is spare for driving. In the 55 west there is no change to notice. In the 55 east, on new south lode, the lode is small and poor. In the 45 west the lode is poor. In the stope in the back of the 55 east the lode is worth 30l, per fathom. Two stopes in back of the 55 east the lode is worth 30l, per fathom. Two stopes in back of the 55 east the lode is worth 12l, per fathom. The stope in the back of the 45 west the lode is worth 12l, per fathom. The stope in the back of the 45 west the lode is worth 12l, per fathom. The stope in the back of the 45 west the lode is worth 12l, per fathom. The stope in the back of the 45 west the lode is worth 12l, per fathom. The stope in the back of the 45 west the lode is worth 12l, per fathom. The stope in the back of the 45 west the lode is worth 12l, per fathom. The stope in the back of the 45 west the lode is worth 12l, per fathom. The stope in the back of the 45 west the lode is worth 12l, per fathom. The stope in the back of the 45 west the 10ld per fathom is the 4ll water and 12ll earlier with the 4fms.

PRINCESS OF WALES.—T. Foote, G. Rickard, April 7: Saturday last being our monthly setting-day, the following bargains were set.—To sink Harrie's engine-shaft under the 20 by nine men, stended 12

copper, but not to value as yet; we have no indications of the lead course which we expected to have reached ere this. The lode in the stopes is as last reported. ROARING WATER.—H. Thomas, Aprile 7 the lode in the end west of caunter, in the 45 fm. level, is rather harder than when I wrote last week, but producing very rich grey, purple and yellow copper ore, and as there appears to be more lode in the north side of the level I intend to make an opening in that direction. From indications, I was induced: Tries in the boat of the caunter, and opening in that direction. From indications, I was induced: Tries in the boat of the caunter, and opening the third of the caunter of

progress in driving the cross-cut at the 100 fm. level. There is no change to notice in the ground this week. The engine and pitwork are in good order and working well

SOUTH MERLLYN.—H. R. Harvey, April 8: The lode in the 40 south is improving in value, and producing good lead ore, and the ground getting much caster; so we are making fair progress in driving. I have no change to report in the 40 north; the ground is highly favourable for the production of lead, and I am pushing on the end with all speed, as when the level named becomes extended we shall be able to get at the lead discovered above in the 30. The tribute pitch in the 30, south of Harvey's shaft, is worth from 71, to 91, per fm. SOUTH TREVENNA.—W. H. Willcock, April 8: No. 2 lode, east of winze, 10 fathoms under the adit, has this past week much improved; it is now from 4 to 5 feet wide, producing excellent and easier work for stamping, being more of a peachy character, and is extended now several fathoms. The north branch has made no change since my last, still continuing good saving work. The lode in the bottom level, 26 fathoms under the adit, is producing some very good tinny work. We are extending a level by driving east on the course of the lode, and shall soon have room to stope the backs. We expect with these favourable changes to have a much larger sampling of tin for sale for April month. We intend sending off a batch of tin on Saturday to meet last month's cost of wages.

TAMAR VALLEY.—J. Goldsworthy, April 8: in the 57 fathom level cross-cut, driving east of Weston's engine-shaft, towards the Tamar Valley lode, the stratum being mixed with spar, the progress at present is not quite so speedy as intherto. In the 57, south of Weston's engine-shaft, to driving for the present is put whe side of the lode, which is 4 ft. wide, of a promising character, producing rich side of the lode, which is 4 ft. wide, of a promising character, producing rich side of the lode, which is 4 ft. wide, of a promising character, producing rich side of the lod

continue without change. In discussing, which were so free part factorily.

TRESAVEAN AND TRETHARRUP.—J. Odgers, April 5: Monthly Report There has been no change in the 12 and deep adit, west of Cunnack's shaft, since our account meeting, on March 15. I have set the deep adit, cast of Moyle's winze, to drive by two men and two boys, the tin ground west of Cunnack's shaft, at 44. los, per fathom, which has a promising appearance. In the tribute department there is no change. We sold on Friday last 25 tons 5 cwts. 1 qr. of tinstuff, which fetched 611.

or enter by two men and two boys, at 61, per fathom. I set to drive on tutwork, by two men and two boys, the tin ground west of Cunnack's shaft, at 41, 10s, per fathom, which has a promising appearance. In the tribute department there is no change. We sold on Friday last 25 tons 5 cwts. I qr. of tinstuff, which fetched 611.

VALE OF RHEIDOL.—J. Paull, April 7: The cross-cut in the 10 fm. level, south from the engine-shaft, has been driven 5 feet, and not finding any portion of the lode further south, we have commenced to drive east on the lode mentioned in former reports, and have extended 2 fms. I ft. on the course of the same; the lode here is 2½ ft. wide, composed of spar, clay-slate, blende, and has a leader of silver-lead ore about ½ in. thick on the south wall, as well as being spotted with lead throughout. This end looks kindly for an early improvement, and is nowset to four men, at 61, per fathom; they are to draw and tram their own stuff. The shaft sinking from surface, and the rise over the adit level, 40 fathoms east from the engine-shaft, have been communicated during the last few days, which has well ventilated this part of the mine, and has enabled us to commence a new stope over the adit level west of the rise; it shall be able to report on after they have commenced stoping, and I hope to get some pretty good stuff for dressing from this place. The adit level to drive east from this rise is set to four men, at 61, per fathom; here the lode is 6 feet wide, or all the width of the end, the same producing from 8 to 10 cwts, of silver-lead ors per fathom. When this level is driven on for a fathom or two we shall be in a postition to set another new stope, and as there is a great height of whole ground before us we may calculate on having some good ore ground to usurface a distance of about 29 fathoms. The lode in the present end of the adit level, driving west from Nanteos cross-cut, is 3 feet wide, not quite so good for C lead as the proper sold of the shall be sold to the depth of 100 cd. The shall

170, east of cross-out, is about 1½ ft. wide, spotted with yellow copper ore. Life 170 cross-out, north of Allen's lode, is moderately easy for progress, with a little more water coxing from the end; this we often get when nearing a lode or branch. The south part of Gliplin's lode, in the 17, wast of cross-out, is very regular, producing fine stones of black and yellow copper ore. Marina's shaft is still in the elvan, and fair progress is being made in sirking. The lode in the 30, east of cross-out, is producing about 2 tons of good quality copper ore per fathom, and the general appearance of the lode is everything that can be desired for continuance. Seeing that we have drained the water from this lode by sinking the shaft, we have removed the men from the west end to sink a winze in bottom of this level, in order to prove the lode in depth.

WEST GWM ERIPIN.—April 7: In the present end of the adit level, going east of engine-shaft, there is a portion of the lode turning off to the south very fast, and we purpose driving on that part for a short distance, which is harder, and contains spots of lead and copper ores. The same level, east of cross-out south, is (according to your instructions) suspended for the present; lode here is large, and shows nice stones of ore at times. Nothing of any moment has yet been met with in the cross-cut north.

WEST GODOLPHIN.—J. Vivian and Son, J. Pope, jun., April 7: Caunter Lode: The Pressure shaft is now about 3 fms. under the 10 fm level, where the lode is a ft. wide, and worth 30, per fathom for the length of the shaft; we are now preparing to fix drawing-lift in the 10 fm. level, and worth 32, per fathom; at one at stoping ground necessary in the north-western end of the shaft, where the lode is 4 ft. wide, and worth 41, per fathom; the lode is 3 ft. wide, worth 91, per fathom: In the 10 fm. level, dard worth 42, per fathom; they lode is 4 ft. wide, worth 91, per fathom: In the 10 fm. level, dard worth 44, per fathom of revising at 24, los, per fathom. The winse under the

ment.—Hope Lode: The water is now down 3½ fms. below the 25, and we expect to be able to resume operations in the 35 in the course of a lew days. We have now twelve men working upon this lode in the 25 and upper levels.

WEST MARIA AND FORTESCUE CONSOLS.—W. Skewis, James Donnal, April 7: West Maria Lode: In the 60 east the lode is 3 ft. wide, worth 251, per fathom; the ground by the side is now favourable for driving. The lode in the rise in back of the 60 is 2 ft. wide, and worth 101, per fm.; and in the stope, 122, per fathom. The lode when last taken down in Willesford's shaft was 2ft. wide, worth 101, per fm. In Nos. 1 and 2 stopes, in back of the 50, the lode is worth 61, and 121, per fm. In Nos. 1 and 2 stopes, in back of the 50, the lode is worth 61, and 121, per fm. In the 40 east the lode is improved; the part carried is 6ft, wide, worth 151, per fm. The lode in the stope in the back of the 40 is worth 71, per fathom.

WEST PRINCE OF WALES.—W. C. Cock, April 6: The ground in the north engine-shaft is now pretty free from capel, and is, therefore, more favourable for sinking. In the south side or banging wall of the shaft the killsh has become a lighter colour, and the water is coming strong from that direction. In the 16 west, on south lode, the ground is become stiffer, but the character of the lode is without change.

WEST TOLGUS.—April 7: We have two pumps more to drop to complete the lift to the bottom of the 65, and we calculate to complete it and send down the rods, and put the lift to work to-day, but for an accident that occurred on Monday while heaving the lift—the axie of our capstan broke, and it took 24 hours to repair it; we have made it all right now, and have sent down two pumps with it.

the work, and put the lift to work to-day, but for an accident that cocurred on Monday while heaving the lift—the axie of our capstan broke, and it took 24 hours to repair it; we have made it all right now, and have sent down two pumps with it.

WEST WHEAL TREMAYNE.—S. Roberts, April 6: The 44 east is very much improved, both in size and quality, in tin and copper ore. In the 44 west the lode is getting small, as it almost invariably does against the cross lode, which we are daily expecting to cut, and do not expect any improvement in the lode until we have passed it. We hope to hole the rise in the back of the 20, on the south lode, before this reaches you, as it appears to be very near, and the old workings above are quite drained.

WHEAL BULLER.—James Inch, James Brown, April 7: Hocking's shaft, sinking under the 22, is worth for tin and copper ore 12t, per fathom, and has a very kindly appearance. The 70, driving east on the north lode, is producing tin and copper ore, but not enough to value. A stope in back of this level is worth for tin and copper 91, per fathom. A stope under this level, west of the cross-course, is worth 50t, per fathom. No. 2 stope, under this level, is also worth for tin 30t, per fathom. A stope under the 50 the worth 15t, per fathom. A stope under this level, is also worth for tin 30t, per fathom. A stope under the 50 the worth 15t, per fathom. The 92, driving east of Steven's shaft, is producing tin, but not to value. The 70, driving west of Klatie's shaft, on the south part of the lode, is worth for tin 12t, per fathom. The 80, driving east of Steven's shaft, is producing tin, but not to value. The 70, driving west of Klatie's shaft, on the south part of the lode, is worth for the 12t, per fathom. Whe 80, driving east of Steven's shaft, is producing tin, but not to value. The 70, driving west of Klatie's shaft, on the south part of the lode, is worth for the 12t, per fathom. The 80, driving by the side of the lode, is worth 10t, per fathom. A stope taking away the point of horse i

the 44, driving cast of cross-cut, north of Pryor's, the branen is producing a little tin.

WHEAL MARY ANN.—P. Clymo, J. Harris, J. Stevens, J. Skeat, April 7:
The cross-cut in the 240 is extended 7 fms. towards the lode. The lode in the 230 north is still small and poor. In the same level south the lode is 2ft. wide, worth 10l. per fathom. There is no change to notice in the 220 north since last reported on. In the same level south the lode is 2ft, wide, worth 13l. per fathom. The lode in the 210 north is 1 ft. wide, producing a little ore. In the same level south the lode is still small and poor. In the 200 north the lode is 2ft. wide, worth 4l. per fathom. In the same level south we are still driving on the branch mentioned in our last. In the 190 north the lode is 3 ft. wide, producing good stones of ore. The stopes and pitches producing much as usual. WHEAL SPARNON.—W. Tregay, April 3: In the 30 north cross-cut we have come across a branch producing stones of copper ore, but it does not appear of much importance. About 10 fathoms ahead we expect to meet with one of the north lodes.

WHEAL TREVENNA.—W. H. Willcock, April 8: We are still continuing the

muce importance. About it is along the about the property of the continuing the with AL TREVENNA.—W. H. Willcock, April 8: We are still continuing the drivage of the cross-cut north, at the eastern part of our sett, to intersect the main tin lode in the 30 fm. level; the ground continues stiff for driving in. We have cut the lode shallow at surface, but notyet got through it, with most promising appearances, composed of peach, quartz, and gossan, and dissemulations of the continuing appearance, composed of peach, quartz, and gossan, and dissemulations of the continuing the continuing appearance of the composed of peach quartz, and gossan, and dissemulations of the continuing the continui

THE STOCK AND SHARE MARKETS.

THE STOCK AND SHARE MARKETS,

[From Messrs. Bartlett and Chapman's "Investment Circular" for April.]

The month opened without much animation, buyers pausing after the rapid rise that had taken place, and holders at lower prices evincing a disposition to realise. The new loans introduced had also contributed to the result. In railways, a good deal of stock was coming into the market, as is usual after the payment of the dividends; but it was, no doubt, increased by the less favourable traffic receipts. Midland and South-Eastern suffered the most, while Caledonian showed a recovery. Indian Guaranteed Railway Stocks were weak, as were also Miscellaneous Shares, of which scarcely any notice was taken. Colonial Securities were not much affected by the competition of the new Victorian Loan, and it was found, when the tenders were opened, on the 9th, that though 3,331,570, was tended above the minimum, which was fixed at 1001., and that of this amount 300,0001. was fictious. The tenders for the unallotted portion were opened on the 12th, and found to be for only 347,4001.; making, in the whole, 690,0001., out of the 2,107,0001. Of the Colonial Securities, Canadian and New Zealand were most in favour. In the Foreign Market, there was no great activity, but the Austrian Bonds of 1889, and Chilian and Peruvian Stocks, were in fair demand; while Argentine, Italian, and Turkish Stocks exhibited flatness. A very large business was done in the United States Securities, the assurance given by General Grant and the Senate as to the payments to be lagoid, having exercised a favourable influence. The 6-20ths advanced to 334,—or about 8, within two or three weeks. In the Mining Share Market, however, the largest amount of business was done, owing to the Further advance in the price of tin, and the increased demand for copper. That a good deal of the business was a special time, which was a special continued and the continued and the part of the foreign Securities being especially influenced, even the United States 3-20ths being [From Messrs. BARTLETT and CHAPMAN'S "Investment Circular" for April.] stations, and blocks of land adjoining them, and the directors will be allowed to claim 1-20th of the land in every township or district within the fertile belt, as it is set out for settlement. No exceptional taxes are to be placed on the company's land, trade, or servants. It is evident the proprietors anticipated better terms, and the offer was not accepted at the meeting of shareholders, held on the 24th ult., which was adjourned for a fornight. In mining shares a considerable business was again done, a further advance in the price of tin and copper also having stimulated business, and produced a rise in the price of several mines. In the week commencing on the 27d the feature in the Stock and Share Markets was inactivity, as is, indeed, always the case, more or less, in the Raster week. The rates of continuation were generally heavy on Foreign Bonds and English Railway Shares, but there was no material alteration in prices in these, if we except the Metropolitan, Caledonian, and Great Northern; nor was there in Colonial Government Securities. Foreign and Colonial Railway Shares decilined, as did also Joint-Stock Bauk Shares, Finance Shares, and some of the Electric Telegraph Shares. American Securities were beavy, in consequence of realisations to secure profits on the recent rise. In the Mining Share Markes, both in London and Cornwail, the transactions were on a rather extensive scale, and, on the whole, the preceding week's advance in the quotations of tin stock and, on the whole, the preceding week's advance in the quotations of tin stock after the lastidadvance in the standard. It seems that there are still some of the mining public—investors, desiers, and speculators—who preserve, in perhaps a modified degree, a little of the excessive caution engendered by the late depression, and who apparently consider that a realisation of stock at the enhanced value would be the viesat course to pursue. But he predominant feeling among the mining community was and is, no doubt, in favour of a bollef, that—owing

tures has been and is still increasing; and considering, too, the time that must necessarily elapse before the fresh sources of supply (which will naturally follow the late considerable advances) can have much effect on the market—that there are yet higher standards, and consequently still better market values for stock to be experienced during the current year. During the last week of the month the fluctuations in the Stock and Share Markets were considerable. Foreign Bonds exhibited some heaviness, and excepting Peruvian, Egyptian of 1868, Turkish, and Argentine, suffered a decline. Some railway shares suffered a relapse, especially Metropolitan and Metropolitan District, and London and Chatham, and Manchester and Sheffield. Caledonian, on the other hand, advanced. On Saturday the principal feature of interest in the market for American Securities was the important rise in Atlantic and Great Westers. Railway Securities, said to be on large orders to purchase from America, and also owing to a statement that the income bonds will be issued as soon as possible for the payment of the overdue dividends; with this exception prices exhibitor very little alteration. United States Government 6 per cent. 5-20th bonds improved ½, to 85½, 82%; ditto, 1865 issue, ½, to 81½, 82; 10-49 bonds remained at 73½, 734; Eric Railway shares, 24, 24½; and illinois Central at 98¼, and 97¼; Atlantic and Great Western Debentures advanced 1½, to 33¼, 33¼; and 197¼; Atlantic and Great Western Debentures advanced 1½, to 33¼, 33¼; and be consolidated Mortgage Bonds, 2¾, to 83½, 83; distoches advanced 1½, to 33¼, 33¼; and be said that the week closed favourably.

LEAD MINES AS AN INVESTMENT.—It will be seen by our advertising columns that Mr. J. H. MURCHISON, of Austinfriars, is about to publish a pamphlet on the lead mines of Cardiganshire and Montgomeryshire, districts comprising the Van, Dyliffe, Plynlimmon, Lisburne, East Darren, South Darren, and other important mines. This will be particularly interesting at the present time, when the recent great success of the Van Mine, through the energy and enterprise of the late Mr. Morris, of Oswestry, and the able management of Capt. Williams, has drawn much attention to mining in that part of Wales. We must add that few are more competent to do justice to the subject than Mr. Murchison, not only from the experience gained from a long connection with mining in Wales, but also on account of his well-known ability for dealing with any question to which he devotes his attention.

SUCCESSFUL MINING.—The Providence Mines, since their commencement, in 1832, have received in calls 11,569l.; from copper, 9724 tons, at about 6l. per ton, 58,242l.; tin, 6732 tons, about 59l. 18s. per ton, 403,220l.; pitch blende, 26l.; sundries, 3171l.: total receipts, 476,229l. On the other hand, 359,823l. has been expended in costs; the lords have received as dues 17,438l.; and 79 dividends have been declared (88l. 2s. 6d. per share), equal to 98,700l.

THE VAN MINE.—As will be seen by the details published in another column, the directors of this company have set a commendable example by establishing that relation between the employers and employed which at all times is so desirable should exist, and especially with regard to miners. Capt. Williams, the agent, stated that the mine has quintupled in value within the last few weeks, while the present returns are 150 tons of lead per month, irrespective of blende. There has just been sold for March 150 tons, which realised 134, 138, 6d, per ton. realised 131, 13s. 6d. per ton.

FRONTINO AND BOLIVIA.—It was omitted to be mentioned in last week's Journal that it is in contemplation to materially increase the stamping power at the Bolivia Mines, where it is well known the supply of mineral is practically inexhaustible. Judging from the fact that the Juan Criollo mill has from the time of its erection yielded good profits, and that the mills subsequently erected have also been profitably worked, the step now taken by the executive will commend itself to the shareholders.

CUNAPIRU GOLD MINES.—Four iron buildings have just been sent out for the Cunapiru Gold Mining Company, situated in the Banda Oriental Republic, south of Brazil, consisting of the workmen's hall, 125 ft, by 63 ft, by 29 ft., having two wings for sleeping apartments, and rooms divided off at each end, the dining-hall in the centre being 63 ft, by 30 ft., with a glass skylight overhead. The machinery shed also, 125 ft, by 63 ft., and the engineer's house, 68 ft. by 61 ft., with rooms 16 ft. high, and the hospital for 15 beds, &c., from the designs of the mining engineer, Mr. Hubert Bankart, who was also the discoverer of these gold regions, after a most arduous and lengthened research over that portion of South American territory. From the trials made on the spot, and the result of the assays here, ranging from 66 css. to 6512 css. of gold to the ton of rock, this company bids fair to prove a most lucrative concern; it appears to be the first launched out there, and to this end the Government led the way, by subscribing for a number of shares. The machinery is also being made, under Mr. Bankart's inspection, of the most approved and modern class, at the Haylo Foundry, Cornwall, and altogether everything is being carried on an extraordinarily economical though very efficient scale. Other companies are being rapidly organised there for the same object, and with the advantages offered by the new mining law it would appear probable that these gold fields may soon equal, if not rival, other at present more important localities. In the meantime, we shall watch with anxiety the progress of the Gunapiru Mining Company. The rotot from Monte Video, the capital of the Republic, to the mines occupies five days, and is decidedly a charming one. The travelue starts via Buenos Ayros, which occupies the hours in transitu; after leaving there he arrives in eight hours at Fray Bentos, those and of the world-framed Liebig's Extract of Meat Manufactory, and thence to Faysander, the chief riverine port on the Uruguay. This town, thoug

IMPORTS OF COAL TO FRANCE,-The imports of coal and coke to

TotalsTons 6,992,000 665,000

GEOLOGICAL SOCIETY OF LONDON,-On Wednesday the following ommunications will be read:—I. "On a peculiarity of the Brendon Hills Spathose Iron Ore," by M. Morgans: communicated by W. W. Smyth, F.G.S.—2. "On the Brends of Norfolk," by R. B. Grantham, F.G.S.—3. "On Intraglacial Erosion near Norwich," by Searles V. Wood, Jun., F. G.S., and F. Harmer.—4. "On the Lignite Mines of Fodnermuovo," by E. J. Beor, F.G.S.—5. "On the Sait Mines of St. Domingo," by Dr. F. Ruschhaupt: communicated by Sir R. I. Murchison, V.P.G.S.

Murchison, V.P.G.S.

INSTITUTION OF CIVIL ENGINEERS.—At the meeting on Tuesday (Mr. Charles Hutton Gregory, President, in the chair) ten condidates were duly elected, including one Member:—Mr. William Adams, Locomotive Superintendent of the North London Rallway, Bow; and nine Associates:—Mr. William Francis Badgley, Assistant Surveyor' ist Grade, Topographical Survey of India; Mr. Arthur Carpmael, Southampton Buildings; Mr. William Hackney, B. Sc., Westminster; Mr. Francis Henry Hambleton. Baltimore, U.S.; Mr. Thomas Crump Hambling, Westminster; Mr. Charles Benjamin Knorpp, Acting Executive Engineer in the service of the Madras Irigation and Canal Company; Mr. William Francis Lawrence, King's Lynn; Lieutenant Richard Arthur Sargeaunt, R. E.; and Mr. George Frederic Verion, O.B., Agent General faw Victoria, Australia.——It was also announced that the Council, acting under the provisions of Section IV, of the Bye-Laws, bad recently admitted as Students of the Institution, Messrs. Henry Carter, William Afred Dawson, and John H. R. King.

On Tuesday a paper will be read by Mr. T. N. Kitkham, M. Inst. C. E., on Experiments on the Standards of Comparison employed for Testing the Illuminating Power of Coal Gas."

Society of Englineers.—At the meeting of members, on Monday

SOCIETY OF ENGINEERS.—At the meeting of members, on Monday Ir. F. W. Bryant, President, in the chair), a paper was read on "The Methods apployed in the Determination of the Commercial Value and Purity of Coal 18," by Mr. F. W. Hartley.

Creditors of the Gartness Iron and Steel Works Company (Limited) are required to send the particulars of their claims to Mr. H. H. Cannan, of Walbrook, the official liguidators, by May 4, the 20th having been appointed by Vice-Chancellor James for adjudicating upon them.

With last week's Journal a SUPPLEMENTAL SHEET was given, which contained—Prof. Warington Smyth's Lectures at the Royal School of Mines—The New Methods of Manufacturing Steel, by Dr. B. H. Paul—The Mineral Resources of Nova Scotia—The Origin of Valley Gravels—Brazil and the River Plate—Unwise Colonial Policy—Quarterly Journal of Science—Directors' Reports of the Fortuna, Alamillos, Linares, and Laguna Companies—Foreign Mining and Metallurgy—Quarterly Sales of Copper ore—Foreign Mine Reports—Metallic Ropes—The Great Railway Systems—Science and Art, &c.

The Mining Market; Phices of Metals, Ores, &c.

METAL MARKET-LONDON, APRIL 9, 1869.

METAL	MARKET-LONDON, APRIL 9, 1869.
COPPER. £ s. d. £ s. d. Best selectedp. ton 79 0 0 Tough cake and tile 76 0 0 - 78 0 0 Bottoms 81 0 0 Bottoms 83 0 0 - 84 0 0 Old (Exchange) 65 0 0 - 70 0 0 Burra Burra 81 0 0 0 Burra Burra 81 0 0 0 Burra Burra 90 1 1 0 - 0 1 0 1 0 - 0 Brass 90 1 1 0 - 0 1 0 1 0 - 0 Brass Per lb. 9 1 0 - 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	Bars Wolsh, in London 6 10 0-6 15 0 Ditto, to arrive
Do., bars (in barrels)	(hammered) .15 5 0-15 10 0 Ditto, in faggots 16 0 0- — English, spring17 0 0-23 0 0 QUICKSILVER (p. bottle) 6 17 0- —
TIN-PLATES.* Per box. IC Charcoal, 1st qua. 1 & 8 -1 10 0 IX Ditto, 1st quality 1 14 0-1 16 0 IC Ditto, 2d quality. 1 7 0-1 8 0 IX Ditto, 2d quality. 1 7 0-1 8 0 IX Ditto, 2d quality. 1 3 0-1 4 0 IC Coke	Ditto, LB

* At the works, 1s. to 1s. 6d. per box less.

REMARKS.—The Metal Trade appears now to have entered upon a very satisfactory course, and the degree of activity and animation apparent in the market is very gratifying. Business during the past week seems to have returned to the condition of energy which past week seems to have returned to the condition of energy which it displayed in former years, and transactions have been more numerous than they have been for a length of time; and it is earnestly to be hoped that it may still go on to manifest the same liveliness. In one metal especially, which last week attracted so much attention, operations have continued upon an extensive scale, and the amount of business done has been again very considerable; and it is to be hoped that other metals will soon follow in the same course, and that in them also a similar degree of animation way be manifested. in them also a similar degree of animation may be manifested. Prices continue gradually to move upward, and we may expect that as operations become more general in the metal trade we shall find prices improving still more. The Money Market is again somewhat easier, and as a favourable change has occurred in the American Exchanges the apprehension respecting a drain upon the Bank has been dispelled, so that it is by no means improbable that a reduction in the Bank rate of discount way occur before long should nothing been dispelled, so that it is by no means improbable that a reduction in the Bank rate of discount may occur before long, should nothing in the meantime arise to prevent this being done. The advices from India are rather more favourable concerning metals, and orders are now coming in very fairly. The continental demand has also very considerably improved, and the exports to the various American markets continue upon a very favourable scale.

COPPER,—The market for this metal remains steady, but is still without animation and transactions are not of importance. Chili-

COPPER.—The market for this metal remains steady, but is still without animation, and transactions are not of importance. Chili bar is now quoted 70%. 10s. to 71% cash; ore at 14s. to 14s. 3d. per unit. IRON.—In Staffordshire the Quarterly Meeting of Ironmasters was held at Birmingham on Thursday. The attendance was large, and from the commencement of the meeting it was apparent that there was some slight improvement in the tone, although the spring orders have not come up to the expectations. Some of the makers are well supplied with orders, but others have not sufficient to keep all their mills going, though still doing what may be considered a fair amount of business under existing circumstances. Prices are certainly not mills going, though still doing what may be considered a fair amount of business under existing circumstances. Prices are certainly not lower than they were six months ago, and it was by only a small section of the meeting that the present position was regarded as a gloomy one. In the main the feeling was one of hopefulness, and a confident belief was expressed that later in the year the demand will greatly improve. In Welsh the works continue fairly employed, chiefly on American and Russian contracts. Large shipments are now being made to the American markets. The demand from Russia is also good, and makers have received a considerable proportion of the engagements from that country. There is a fair continental enquiry for bars, and a better demand for plates is looked forward to, consequent upon the improvement in the iron shipbuilding trade. In Swedish iron the demand is not very active. In Scotch pig-iron there has been a better tone during the week, and a large business has been done in warrants. The last price received from Glasgow has been done in warrants. The last price received from Glasgow

has been done in warrants. The last price received and a very fair was 53s. 4d. cash.

LEAD continues to show an active condition, and a very fair amount of business is still doing. Prices remain firm at quotations. TIN.—On Monday the smelters of English announced an advance of 6l. per ton, making present prices 133l. for blocks, 134l. for bars, and 139l. for refined. In Straits, although a good deal of business has been done, yet the high prices ruling last week have not been maintained. Business has been done at 137l. cash, and afterwards at 136l. cash, the present quotation being 134l. to 135l., although at these prices holders are not disposed to make sales. The price of the Dutch

Banca in Holland has receded to 821 fls., being the price of the Dutch sale, at which there are sellers.

SPELTER.—The market has not manifested any improvement, and

business on the spot has been done at 20%, 15s.

TIN-PLATES,—An advance of 2s, per box was determined upon at the quarterly meeting of makers.

STEEL and QUICKSILVER remain without alteration.

THE IRON TRADE—(Griffiths' Quarterly Report).—The progress of the Iron Trade over the first quarter, which expires this week, has been variable, and in some respects unsatisfactory, and, on the whole, has not kept pace with the favourable prospects which were observed in the future at the beginning of the year. We have had continual complaints of a want of demand from South and in some respects unsatisfactory, and, on one whole, has not kept pace with the favourable prospects which were observed in the future at the beginning of the year. We have had continual complaints of a want of demand from South Staffordshire, but these complaints, even in this district, have generally arrived from second-class makers of iron only. Brands of iron like the Earl of Dudley's "S.C. Crown," "B.B.H.," "The Mitre," and one or two other known makes, have been in fair request, at full List rates, all the quarter. The demand, likewise, for Staffordshire hoops and nall-rods, has been constant and steady. The small rounds and squares made at the mills of this district have likewise found a ready market; but it cannot be denied that second class bars, boiler-plates, boat-plates, nall-sheets, and other sheet-iron, of low gauges, have been in very slow request, and as these are the sorts largely produced in South Staffordshire, the complaints of the state of the trade from this district will not create much surprise. In North Staffordshire the masters have been better off for orders, probably owing to the improvement in their quality of bars and plates, which are gradually superseding the second-class brands of the South in the London-market, entirely on the score of quality. This competition does not apply to the old wealthy firms of the South, above referred to; but it may fairly be taken as the cause of the failing off in orders at manufactories in South Staffordshire, enable them to produce and deposit bars and plates, f.o.b., at prices here which present successful competition, against the second-class Staffordshire makers in this market. From these causes the rail trade is already lost to South Staffordshire, from the quarter, while the great works on the Tees, at Stockton, and the Middlesborough district generally, have done a steadily remunerative stroke of business. The rail-mills of this district and South Wales have been constantly working full time, and the prospects of this important branch of

cumstances we see no reason to take a desponding view of the trade. Owing to the increased demand which sprung up in the closing months of last year, the Prussians, Belgians, and French are full of orders, and on this account will not compete with English makers at present rates. The Birmingham quarter-day has passed off satisfactorily, and, considering the prospects of immediate heavy demands for rails for Russia and the United States, we are still of opinion that the iron trade will improve to a considerable extent, and that higher prices will be realised before the next Birmingham quarter-day. The normal demand, however, must produce this happy result, and it is our opinion that any effort of the men to accelerate will only retard the advent of higher prices, which must come for their own benefit, as well as of the masters, whose Interests are so thoroughly identified with their own. The price of Staffordshire bars continues 7. per ton at the works. We have no new feature to report in the London market this week.—75, Old Broad-street, London, April 9.

THE TIN TRADE.-Mr. L. Th. van Houten (Rotterdam, March 30) THE TIN TRADE.—Mr. L. Th. van Houten (Rotterdam, March 30) writes—We have to report a brisk market for tin during this month, a regular business being done, both consumers and speculators buying freely at advancing rates. In the beginning of the month Banca tin was sold at 76½ fl., when a rapid rise took place to 81 fl., with 14 days prompt, and 82 fl. ex next sale. In the last fow days the market is somewhat quieter, in expectation of the ensuing Trading Company's sale on April 1, and prices are somewhat easier. Several parcels of Billiton tin changed hands, mostly afloat and ex February sale, which were paid from 75½ fl. to 80 fl. We now quite 79½ fl. In the publicasie of 5026 peculs (9500 slabs) Billiton tin, held in Batavia on Feb. 5, 68% fl. per pecul was paid, equal to 64 fl. ex ship here. The position of Banca tin in Holland on March 31, according to the Official Returns of the Dutch Trading Company, was—

w	cording to the Omeiai Returns of the	Dutca	Tradii	ng Comi	any, w	as-	
		1869.		1868.		1867.	
	Import in MarchSlabs	7,457		11,072		7,645	
	Total three months	22,582		26,002		28,875	
	Deliveries in March	7,100		10,100		6,629	
	Total three months	35,701		27,750		24,072	
	Stock second-hand (old warrants).	60,372		123,359		107,447	
	Total stock	128,154		186,274		201,423	
	Stock of Billiton			8,572		13,319	
	Import in March	5,450		-		-	
	Delivered and shipped in March	4,350		-	*****	-	
				FO1 / O			

Sept. 31. COMPARATIVE STATEMENT OF BANCA, BILLITON, AND STRAITS TIN IN

HOLLAND AND ENGLAND.
March 31. Feb.
1868. 1869. 1869.
Banca-Stock warrants Slabs 123,359 60,372 67,47
, New stock 62,161 67,782 60,33
Billiton-Stock 8,572 4,122 3,09
BancaAfloat 18,800 16,700 20,20
Total 212,892 148,976 151,0
Tons 6,600 4,656 4,77
Total 9,922 7,110 6,69
7,110 6,61
Prices of Banca tin 531/2 fl 801/2 fl 761/4 fl
,, Billiton tin 53 79 75 75
Straits tin £91 £129 £127.
The Government returns for the month of January are as follows:-
EXPORT OF TIN FROM HOLLAND.
January. Twelve months. 1869. 1868. 1867. 1868. 1867. 186
1869. 1868. 1867. 1868. 1867. 186
Germany Tons 160 182 280 2348 2419 220
England 107 11 18 1349 318 124
France 322 73 121 2137 1652 205
Hamburg 13 2 6 244 298 33
United States 18 127 85 26
Other countries 1 21 364 366 46
Total Tone 620 969 966 6569 5199 666

THE COPPER TRADE.—Messrs, James and Shakspeare.—On the 2d lust, telegrams were received, advising the Chili charters for the last fortnight in February; there was, however, a slight discrepancy between them, the quantity of copper in ores and regulus being given in some at 1100 in others at 1350 tons, but the quantity of bars in all was stated as 1300 tons. From and including that date a large quantity of furnace stuff has been sold "for arrival"—about 2500 tons regulus for Liverpool at 14s., and 850 regulus, 490 ore for Swansea at 14s. 1½d.; there is very little now offering on the market, and importers are asking about 3d. per unit. advance on the highest price paid. In bars we note transactions amounting to about 650 tons, of which 500 ordinary brands at 701. 10s. and 711. cash, 200 to arrive, or with long prompt at 721. to 721. ies, and 150 "Urmeneta" to arrive at 711. and 711. 10s. per ton; a small lot of ingots of said brand, lying in Swansea, is reported at 751. per ton; a small lot of 130 to 721. is asked. In Australian sorts no sales are reported, but there are some large orders in the market at 11. under the lowest quotations in our list, which offers holders decline to accept. In English descriptions there is nothing of importance passing.

Messrs, Vivian, Younger, and Bond—Though there is no especial at 711. cash, this price having been refused for the very best brands, and 721. has at 711. cash, this price having been refused for the very best brands, and 722. has at 711. cash, this price having been refused for the very best brands, and 722. has at 711. cash, this price having been refused for the very best brands, and 722. has at 711. cash, this price having been refused for the very best brands, and 722. has at 711. cash, this price having been refused for the very best brands, and 722. has at 711. cash, this critice, the tone of the market continues to improve, and holders are very firm in their views. A few transactions have taken place in Chili bara at 711. cash, this price having been refuse THE COPPER TRADE, -Messrs. James and Shakspeare. -On the

Another rise on Monday of 61, per ton on English tin caused coniderable excitement in the MINING SHARE MARKET, though the event had been rather expected, and business has been very active during the week in mines generally, but more particularly so in tin

event had been rather expected, and business has been very active during the week in mines generally, but more particularly so in tin mines, many of which have advanced in price.

The standard for copper ore also rose 17s. per ton on Thursday. The shares mostly dealt in have been West Frances, New Lovell, West Basset, Grenville, East Grenville, West Chiverton, Chiverton Moor, Great Vor, Wheal Buller, Prince of Wales, Great Laxey, East Caradon, Drake Walls, Chontales, Frontino and Bolivia, Providence Mines, South Carn Brea, Redmoor, Tincroft, Cook's Kitchen, Wheal Agar, Wheal Uny, Wheal Crebor, and a few others.

West Frances shares have advanced to 56, 58; at the meeting, to be held on Thursday next, we understand the accounts will show a profit on the quarter of 10002, or about 2% per share. A dividend of 1% per share will probably be declared, and the balance pay for the new stamps and machinery. Cook's Kitchen, 16½ to 17½; the meeting will be held on Tucsday, and the profit for the quarter about 1000%. Bedford Consols, 15s. to 17s. 5d.; Bedford United, 37s. 6d. to 42s. 6d. Wheal Agar, 28s. to 30s.; at the meeting, held on April 2, the accounts showed a balance of 21%, 6s. 5d. due to treasurer, and a call of 3s. per share was made. The report of the mine is favourable, and the agents express their unabated confidence that an early discovery will amply reward the shareholders for their perseverance, Carn Brea, 20 to 22; Chiverton Moor, 3½ to 3½; Chontales Gold, 27s. 6d. to 30s.; Drake Walls, 21s. to 23s.

East Grenville, 5½ to 6, declined to 5½, and leave off 5½ to 6; the 55 is worth 2 tons of ore per fathom. Wheal Grenvilles have advanced to 56s., 58s.; no change in the mine. Don Pedro North del Rey, 4½ to 4½. East Caradons declined to 6½, 7½. East Lovell, 9 to 9½; Frank Mills, 3½ to 3½; Frontino and Bolivia, 19s. to 20s.; Great Wheal Vor, 17 to 18. Providence Mines, 40 to 42; at the meeting the profit on the quarter was 1695%. 15s. 6d., and the dividend 1%. 10s. per share. The report shows the mine to be loo only. The report shows several important points in the mine, and for the future good profits ought to be made. Redmoor, 3s. to 5s.; Rose-wall Hilland Ransom United, 27s. 6d. to 32s. 6d.; South Condurrow, 29s. to 31s.; South Grenville, 4s. to 6s.; South Herodsfoot, 20s. to 22s. 6d. Stray Park, 7 to 8; Tincroft, 19 to 20; West Basset, 1½ to 2½; West Caradon, 5 to 5½; West Chiverton, 51 to 52; West Drake Walls, 5s, to 7s.; West Great Work, 3½ to 4; West Prince of Wales, 2s, 6d, to 5s, South Carn Brea, 5s, to 10s, ; the engine went to work on Friday

last, and the mine is expected to be in fork in about five weeks. As soon as the water is out returning tin will be commenced, and at the present price immediate profits are expected. Week Seton, 200 2010; Wheal Buller, 17½ to 20; Wheal Chiverton, 3½ to 3½; Wheal Crebor, 10s. to 12s. Wheal Kitty (St. Agnes), 5½ to 6; the tutwork operations on the aggregate are valued at 64½ per fathom. At the Copper Hill meeting, held on the 31st ult., the accounts showed a loss on six months' working of 3594. 16s. 8d., and a balance against adventurers of 749½, 14s. 5d. A call of 10s. per share was made. The report shows one or two important points to come off. At Gawton United the lode cut in the 82 cross-cut will produce 10 tons of copper ore per fathom. The lode in the winze sinking below the 70 will turn out 8 to 10 tons per fathom. Penhalls sold for the mont 17 tons of tin, for 1246L, giving a profit of 400½.

North Treskerby, 18s. to 20s.; at the meeting, held on Tuesday, the accounts showed a loss on two months' working of 51½. 9s., and a balance of 82½. 6s. 1d. against the mine. The report states that in consequence of an accident to the angle-bob on Feb. 10 the tin sale credited in the present accounts would have been 100½ more, and the copper sale to be credited next account is 300½ less than it would totherwise have been. It is hoped, however, the deficiency will be made up. Wheal Mary Ann, 16½ to 17½. Bwlch Consols, 2½ to 3 we understand the mine is now making 200½ per month profit, and in June or July a dividend, probably of 2s. 6d. per share, will be declared. Wheal Seton, 70 to 75; Wheal 10n, 3½ to 4. Great Nowth Downs balance at the meeting was 1451½, 9s. 11d., and a satisfactory regret.

The Market for Mine Shares on the Stock Exchange during the

clared. Wheat Setol, 70 to 15; wheat thy, 5\frac{1}{4} to \frac{1}{4}. Great Anthropomus balance at the meeting was 1451\lambda, so, 11\d., and a satisfactory report.

The Market for Mine Shares on the Stock Exchange during the week has been far from active, in general sympathy with other markets. The exception to the dulness has been an active demand for Great Vor shares, which have fluctuated between 17 and 19; and Brazilian descriptions have been fairly maintained. Van shares have also been largely bought for investment, at 25 to 26, and the extraordinary richness of the discoveries made bid fair to absorb attention for many years to come. The ore already laid open ensures a continuance of steady profits for many years, the lode in the shaft and in the cross-cut, 15 fms. below the bottom level, being very rich. East Caradon shares have fallen to 7, 7\frac{1}{2}; Great Laxey shares are 19\frac{1}{2}\$ to 19\frac{1}{2}\$; West Chiverton, 51 to 52; East Lovells are firm, at 9 to 9\frac{1}{2}\$, and New Lovells have risen to 2\frac{1}{2}\$ to 2\frac{1}{2}\$. Chivertons are 3\frac{1}{2}\$ to 9\frac{1}{2}\$, and New Lovells have risen to 2\frac{1}{2}\$ to 2\frac{1}{2}\$. Chivertons are 3\frac{1}{2}\$ to 9\frac{1}{2}\$, and New Lovells have risen to 2\frac{1}{2}\$ to 2\frac{1}{2}\$. Chivertons are 3\frac{1}{2}\$ to 9\frac{1}{2}\$. To 17\frac{1}{2}\$. Del Rey shares have declined to 17, 17\frac{1}{2}\$; Don Pedro shares are steady, at 3\frac{1}{2}\$ to 3\frac{1}{2}\$ prem., ex div.; Rossa Grande, 7.16 to 9.16 prem.; Taquaril enquired for, at 3s. 6d. to 4s. 6d. prem.; Sao Vicente, 1-16 to 3-16 prem.; Chontales are less firm, at 1 5-16 to 17.16 per share; Port Phillip, 9-16 to 11-16; Frontino and Bolivia, Gold, buyers\frac{1}{4}\$ to 1\frac{1}{2}\$; General Brazilian shares are fairly maintained, at 4s. 6d. to 5s. 6d prem. Glan Alun, 14s. to 15s.; the new machinery is now working, and lead raising and profits may be confidently looked for at an early date.

IRISH MINE SHARE MARKET.—The tendency of the Stock Exchange market was chiefly dir

IRISH MINE SHARE MARKET.—The tendency of the Stock Exchange market was chiefly directed to investments in Government securities, nevertheless mining shares were not neglected. The demand for Mining Company of Ireland shares does not disclose any very settled confidence on the part of the public in the ultimate result of the Chancery proceedings for the recovery of the valuable Berehaven Copper Mines, for the price has been declining for some days past. However, holders are not anxious to press for sales at present quotations, which may be taken at 10t. 17s. 6d. to 11t. per share (7t. paid), and, therefore, business has been restricted to very few transactions. Wicklow Copper shares, on the other hand, have increased in public favour since the issue of the directors' report, preparatory to the meeting of shareholders, to be held this day. The report congratulates the shareholders on the improved prospects of the sulphur trade, and recommends a dividend of 5s. per share, or at the rate of 20 per cent. per annum, amounting to 4250t., and leaving 290t. 7s. 5d. to be carried to reserve fund. The demand for these shares (2t. 10s. paid) considerably exceeds the supply, and the price is firm at 12t. Connorree shares have been weaker of late, sales having been made at 3s. 6d., or 6d. per share under previous quotations. Killaloe Slate Quarry shares are on sale at 17s. 3d., ex div.; and General Mining Company for Ireland shares have further receded to 10s. each. ceded to 10s, each.

The BLUE HILLS TIN MINING COMPANY has been constituted, with 5000 shares, the whole of which have been subscribed for. The grant is from the Duchy of Cornwall for 21 years, at a royalty of 1-24th. The mine is only 60 fathoms deep, and the old workings are now dry to the 40 fm, level. When last worked, in 1800, tin was 35L per ton, the present quotation is 75L to 80L. The sett embraces the whole of Wheal Kitty, Penhalls, and Polberrow lodes; each of these mines are making large profits. Great Pink and Blue Hills when last worked gave 150,000L profit, and the deepest point at which these rich lodes have been seen in the Blue Hills grant is 50 fathoms from surface. The company have secured water power, and it is from surface. The company have secured water power, and it is confidently anticipated that large returns of tin will be made in a

The GREAT ROCK LEAD MINING COMPANY is the title of an un-The Great Rock Lead Mining Company is the title of an undertaking formed for the purpose of extending the development of the Clegir Mawr Mine, which is situated upon the same range of mountains as the Van, and a few miles distant from the Llanganog, which is said to have yielded enormous profits to the Powis family. There is a uniformity of testimony among the various practical authorities who have inspected the property that it possesses the elements of a highly productive mine, the lodes varying in value from 15 cwts. to 2 tons of lead per fathom. The directors are gentlemen of local position and influence. The company is to be divided into 3000 shares of 4l. each. The prospectus will appear in next week's Mining Journal.

The ALMADA SILVER MINING COMPANY have allotted their shares, and Mr. F. W. Breach proceeds to the mines this day to take possession on behalf of the company. The accounts from the mines to Feb. 15 are quite satisfactory. Good results are anticipated as soon as the work has been systematically commenced.

as the work has been systematically commenced.

The New Zealand Quartz Crushing and Gold Mining Company, with a capital of 50,000%, divided into 25,000 shares of 2% each, has been formed for the purpose of carrying on mining operations in the recently-discovered gold fields of New Zealand. The first object in view, however, is to supply the working miner with the appliances necessary to make his labours remunerative, and upon the authority of the manager, who has had a lengthened practical experience in the Australian gold fields, mining proper is not the most profitable operation in a newly-populated gold field; and for these reasons—the difficulty of immediately finding and securing a really rich quartz claim, the expense attending mining operations unless the vein is of the richest character, and that unless a really rich claim is possessed, the machinery employed to crush and amalgamate for others will give claim, the expense attending mining operations unless the vein is of the richest character, and that unless a really rich claim is possessed, the machinery employed to crush and amalgamate for others will give far greater profit, at a tithe of the expense, and avoiding all risk. Miners willingly offer to share with those who are provided with reduction machinery. It is also intended to crush at the rate ruling at the mines. It appears that there are at present something like 1500 claims now in actual work, while less than 50 are provided with machinery, in which cases, being chiefly occupied by the owners, it is not available to the mass of working miners; hence, this company propose to send out steam-engines, with the necessary crushing and amalgamating apparatus, under the superintendence of an experienced manager and a small staff of thoroughly qualified assistants. The manager has agreed to undertake the practical control of the affairs of the company for not less than three years, and to make his remunication entirely dependent on the success of the company, by accepting for his services during that period, and for paying all his own expenses while residing in the colony, 2500 fully paid-up shares instead of momey, and after 25 per cent. dividend has been paid all surplus profits beyond such amount to be divided as follows:—90 per cent., or 9-10ths, to be paid to the shareholders, and 10 per cent., or 1-10th, to the manager; 1000 of the said shares to be held in trust by the directors, and in the event of the manager's death during the three years to be cancelled for the total parts. rectors, and in the event of the manager's death during the three years to be cancelled for the benefit of the company, but in the meantime he to be allowed the dividends thereon. It is proposed to issue, in the first instance, one-half of the shares, by which a capital of 25,000. will be subscribed; and it is estimated that by the judicious expenditure

The Standards of Tin Ores and Prices of Metal were advanced on Monday, and are now as follows:—Ores: Common, 120s.; superior common, 121s.; fine, 122s.; superior fine, 124s.—Metal: Common, 133s.; refined, 139s.

At the Cwm Erfin Mining Company meeting, on Wednesday, a orther dividend of 4331, 10s. (10s. per share) was declared.

At the Foxdale Mines (Isle of Man) quarterly meeting, on April 3, and directors declared a dividend of 1400L (10s. per share).

the directors declared a dividend of 14001. (10s. per share).

At the North Treskerby Mine meeting, on Tuesday, the accounts showed a loss on the two months' working of \$11. 9s., and a debit balance of \$21. 6s. 1d.

The last sale of copper ore, for the credit of the next account, is 5441. 16s. 6d. The report of the agents stated that, looking at the general prospects of the mine, which are good, they are induced to believe that they will go on to pay cost, as well as open up a profitable mine.

At the Bronfloyd Mining Company meeting, to be held on Monday, the quarter's accounts will show—Sales of ore, 16001. 16s. 11d.; three months' cost, 9341. 4ls. 11d.; profit on the quarter, 6661. 2s.; which, added to 7931. 8s., 2d., the undivided balance of last quarter, leaves an available credit balance of 14591. 10s. 3d. The mine is reported to be richer than ever at its deepest point.

At the Snaefell Mining Company meeting, to be held on Thursday, the accounts to be submitted show that the receipts from Aug. 8 to Feb. 15 amount to 19561. 3s. 7d., and the expenditure to 18221. 11s. 3d. The assets over liabilities, including 15361. 10s. due on the third and fourth call, amount to 16701. 2s. 4d. The directors think it advisable to state that the assets abovenamed are exclusive of calls payable on 1671 shares, taken up under the second allotment, and to the produce to be derived from the balance of shares now being disposed of in the market.

At the Governor and Company of Copper Miners in England an-

At the Governor and Company of Copper Miners in England an-nual court, on Wednesday (Mr. Lewis Harroll Haslewood in the chair), the ac-counts showed a loss of 21461. upon the year's operations, and a debit balance of 23731. The report was adopted unanimously, and a committee was appointed to consult with the Court of Assistants as to the position and prospects of the company. Details in another column.

The Committee of the Stock Exchange have ordered the shares of the Port Phillip and Colonial Gold Mining Company (Limited) to be quoted in the Official List as 24. shares, with 11. paid, in accordance with the order of the ourt of Chancery, registered on the 5th inst.

The Braganza Gold Mining Company's shares are at \(\frac{1}{6} \) to \(\frac{3}{6} \) prem.

The Ironmasters' Company's shares are quoted at 15t. to 16t.

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WANTED, a SITUATION, by a good practical ASSAYER and ANALYST, or to MANAGE COPPER SMELTING or other works, or to BUY ORES at home or abroad. Good references given, and good salary

equired. Address, F. J. MERRY, 4, Elliott-street, Swansea.

TO SLATE QUARRY WORKERS AND PROPRIETORS. WANTED, a PARTNER, with \$500, in an excellent SLATE QUARRY in SOUTH DEVON. The quarry is now in full working order, with PLANT, &c.; or the proprietor is prepared to TREAT for the SALE of the QUARRY. the QUARRY. For a view, and further particulars, apply to Mr. Oldreive, King's Arms in, Street, near Dartmouth; to Mr. T. L. Oldreive, Land Surveyor, Bridge-iwn, Totnes; or to Mr. SMITH, Solicitor, Dartmouth.—March, 1869.

WANTED,—A 70-inch cylinder PUMPING ENGINE, with TWO BOILERS, of 10 tons each. State maker's name, and full particulars, with lowest price for cash. Address—Mr. James Hokey, 22, Austinfriars, London.

LEAD MINES AS AN INVESTMENT.

TR, J. H. MURCHISON will shortly publish a PAMPHLET on the "LEAD MINES OF CARDIGANSHIRE AND MONTGOMERY-HIRE," — districts comprising Van, Druiffer, Lisburg, East Darren, outh Darren, and other important Mines. Price 6d.

In the meantime, orders for early copies may be sent to Mr. Murchison, at is office, 8, Austinfriars, London; and information will also be given relative to Mines in the above districts to anyone wishing and applying for the same.

M. EDWARD BREWIS, STOCK AND SHAREDEALER S. No. 34, OLD BROAD STREET, LONDON, E.C., has BUSINESS, for cash or account, in all the various gold and silver, copper and lead, and especially tin shares, at advantageous prices. Investors who are in unmarketable stock may find purchasers.

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A SSAYS AND ANALYSIS.—MR. JOSEPH GREEN, for the A past eighteen years professional assayer to the Chester Goldsmiths' Company, UNDESTAKES the ASSAYING and ANALYSIS of EVERY DESCRIPTION of MINERAL. Spanish Consulate General

LEASE, for FORTY YEARS, of the MINES OF LINARES. NOTICE IS HEREBY GIVEN, that I Extract General de Propiedades de Estado, Madrid, up to the 31st May next.

The conditions may be inspected at the Consulate General, No. 155, Fenchurch-street, E.C.

The Consul-General for Spain,

U. MONTEJO. NOTICE IS HEREBY GIVEN, that TENDERS for the above will be RECEIVED at the office of the Direction General de Propie-

In the Matter of the Companies Act, 1867, AND IN THE MATTER OF

THE PORT PHILLIP AND COLONIAL GOLD MINING COMPANY (LIMITED).

(LIMITED).

NOTICE IS HEREBY GIVEN that the REGISTRAR OF
JOINT-STOCK COMPANIES did, on the 5th day of April instant, duly
register the Order of the High Court of Chancery, made in these matters on the
12th day of March last, by His Honour the Vice-Chancelior, Sir John Stuart,
confirming the REDUCTION of the CAPITAL of the ABOVE-MENTIONED
COMPANY, and also the minute approved by the said Court, showing, with respect to the capital of the company as altered by the said order, the amount of
such capital, the number of shares into which it is to be divided, and the
amount of each share. And the said Registrar did, on the 5th day of April instant, certify under his hand the registration of the said order and minute,
pursuant to the statute, and which said certificate is in the words and figures
following: that is to say—
CERTIFICATE OF REGISTRATION OF ORDER OF COURT AND

CERTIFICATE OF REGISTRATION OF ORDER OF COURT AND MINUTE ON REDUCTION OF CAPITAL.

The Port Phillip and Colonial Gold Mining Company (Limited and Reduced) having, by special resolution, reduced its capital, as confirmed by an order of the High Court of Chancery, bearing date the 12th day of March, 1889, I hereby certify the registration of the said order and of a minute showing that the capital of the company is now £200,000, divided into 100,000 shares of £2 aach.

Given under my hand at London, this 5th day of April, 18 (Signed) E. C. CURZON, Registrar of Joint-Stock Companies. Companies Act, 1867, S. 15.

YOUNG, MAPLES, TEESDALE, AND NELSON, 6, Frederick's-place, Old Jewry, in the City of London, Solicitors to the above-mentioned Company.

Dated this 9th day of April, 1869.

In the Matter of the Companies Acts, 1862 and 1867, AND OF

THE GREAT NORTHERN COPPER MINING COMPANY OF SOUTH AUSTRALIA (LIMITED).

AUSTRALIA (LIMITED).

THE CREDITORS of the ABOVE-NAMED COMPANY resident in Europe are REQUIRED, on or before the 20th day of May, 1889, and of the CREDITORS of the ABOVE-NAMED COMPANY resident elsewhere out of Europe are REQUIRED, on or before the 20th day of October, 1869, to SEND IN THEIR NAMES AND ADDRESSES, and the PARTICULARS OF THEIR DEBTS OR CLAIMS, and the names and addresses of their solicitors (if any) to James Lowell Price, of No. 13, Gresham-street, in the City of London, the official liquidator of the said company, and, if so required by notice in writing from the said official liquidator, are by their solicitors to COME IN AND PROVE THEIR SAID DEBTS OR CLAIMS at the Chambers of the Master of the Rolls, situate in the Rolls-yard, Chancery-lane, in the county of Middlesex, at such time as shall be specified in such notice, or in default thereof they will be EXCLUBED FROM THE BENEFIT OF ANY DISTRIBUTION made before such debts are proved. Monday, the ist day of November, 1869, at Two o'clock in the afternoon, at the said chambers, is appointed for hearing and adjudicating upon the debts and claims.

JOHN WM. HAWKINS, Chief Clerk.

VALIANCE AND VALLANCE, 20, Essex-street, Strand (Solicitors for the Official Liquidator).

Dated this 8th day of April, 1869.

ON PEDRO NORTH DEL REY GOLD MINING COMPANY (LIMITED). — Notice is hereby given, that an ENTRAORDINARY GENERAL MEETING of the company will be HELD at the London Tavern, Bishopsgate-street, on THURSDAY, the 15th day of April Inst., at Two clock precisely, for the purpose of confirming a resolution passed at the Extraordinary General Meeting held on the 18th of March, 1869, for adding a new article to the Company's Articles of Association, authorising the directors to appoint a managing director of the company.

By order of the Board,
52, Moorgate-street, April 6th, 1869. JOHN E. DAWSON, Secretary.

	LEAD C	RES		
Date. Mines.	Tons. P	rice per	ton.	Purchasers.
pril 2-Minera	110	£12 14	6	Walker, Parker, & Co.
- ditto	109	12 14	6	ditto
	54			A. Eyton.
- ditto				Walker, Parker, & Co.
- ditto	75		6	ditto
- ditto			6	ditto
Macs-y-Safn	40	12 12	6	Delafield Lead Co.
	30			P. Glover.
- ditto				A. Eyton.
- ditto				Delafield Lead Co.
7-Wheal Trelawny	77	23 10	6	Sims, Willyams, & Co.
8-Talargoch		13 11		Walker, Parker, & Co.
- ditto			6	
8-Van	100		6	
- ditto	50	13 13	6	ditto
-Holywell Level	72	12 8		A. Eyton.
-Bryn Gwlog		13 1		Walker, Parker, & Co.
-Trelogan		13 5		A. Eyton.
-Deep Level	25	13 1		Walker, Parker, & Co.
-New Westminster	10	11 18	6	
Wagstaff	131/2	10 16		ditto
-Sir Edward		13 12	6	ditto
- ditto		11 10		A. Eyton.
-Pennant	5	12 8	6	Walker, Parker, & Co.
-Speedwell (South).	11	11 13	6	ditto

BLENDE Mines. 7-Trelogan

BLACK TIN. Date, Mines. Ts. c. q. lbs. Price p. ton. Amount. Purchasers.

April 1—Prosper United. 13 13 3 17 .. £ — .. £983 4 0—Michell.

—Wheal Uny ... 6 12 3 4 .. 74 12 6 .. 495 9 1—Redruth Co.

2—Tresavean and 2 25 5 1 0 .. — .. 61 0 0 — —

COPPER ORES. Sampled March 24, and sold at Tabb's Hotel, Redruth, April 8.

TOTAL PRODUCE.
 Crenver & Abraham 380
 ... £993
 2
 0 | North Downs
 ... 128
 ... £773
 1

 Carn Brea
 ... 312
 ... 1329
 8
 0 | East Carn Brea
 ... 115
 ... 422
 18

 Par Con-ols
 ... 195
 ... 596
 15
 0 | Emity Henrietta
 ... 93
 ... 438
 11

 Prosper United
 ... 141
 ... 476
 5
 0 | Great So. Tolgus
 ... 20
 ... 70
 10

COMPANIES BY WHOM THE ORES WERE PURCHASED.

COMPANTES BY WHOM THE ORES WERE PURCHASED.

Names. Tons. Amount
Vivian and Sons 155 £ 330 18
Freeman and Co. 70½ 322 18
Grenfell and Sons 317 1589 16
Sims, Willyams, and Co. 142½ 687 1
Williams, Foster, & Co. 214½ 826 18
Mason and Eikington. 217½ 519 11
Bankart and Sons 58 211 1
Bankart and Sons 58 211 18 | Masson and Anna | 58 | 58 | Copper Miners' Company | 133 | 133 | Sweetland, Tuttle, and Co. | 76 | 136 | 137 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 138 | 1 Total.....1384 £5120 10 6

NO SALE on Thursday next, April 15, Copper ores for sale at the Royal Hotel, Troro, on Thursday week—Mines and parceis.—Devon Great Consols 1418—Marke Valley 488—East Caradon 194—Okel Tor 180—Gawton Copper Mine 125—Gouangua 119—Kelly Bray 100—Prince of Wales 100—Hingston Down 83—Bedford Consols 9.—Total, 2826 tons.

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—Athensum.

"This work will be especially valuable to the practical metallurgist...

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Vol. III., completing the work, is in the press. London: LONGMANS, GREEN, and Co., Paternoster-row.

Notices to Connespondents.

*a Muchinconvenience having arisen in consequence of several of the Number Juring the past year being out of print, we recommend that the Journal should be fled on receipt: it then forms an accumulating useful work of reference.

MINING IN IRELAND.—Why are not the officials connected with the various panies formed in Ireland for working mineral properties more communicate INNIG IN IRELAND.—Why are not the officials connected with the various companies formed in Ireland for working mineral properties more communicative! Enquire wherever you may, in Dublin or London, the reply, when seeking information, is invariably the same—We do not know, but will endeavour to learn. I am induced to write you now, from having been urged to embark in Wicklow Copper Mine shares, as a safe and profitable investment, and being unable to learn any particulars as to the position and prospects of the undertaking. On referring to the Journal, I learn that is, per share dividend was declared at the last meeting: now this, at the present price of the shares, would not yield 4 per cent. I should feel obliged if someone would communicate, for the benefit of your readers generally, the necessary information to form an opinion as to the desirability of investing in Irish mine companies.—W. C. "Constant Reader" will feel much obliged to any of your correspondents.

A "Constant Reader" will feel much obliged to any of your correspondents who can furnish him with a detailed list of the shareholders in the Cape Copper Mines, Moonta, and Wallarco Mines—Address, "X. Y. Z.," Mining Journal Office, 26, Fleet-street, London.

THE MINING JOURNAL,

Bailway and Commengial Gazette.

LONDON, APRIL 10, 1869.

DRAINAGE AND PUMPING.

In another column note is made of a colliery inundation in Nottinghamshire. Taking place, as that accident does, so soon after the one which has thrilled the whole nation, and excited the deepest interest, attention is reasonably aroused with peculiar emphasis to the source of impediment to safe and profitable mining which inflowing water presents. It is a reflection that promptly occurs to the mind that, even as in a time of rapid meteorological changes the ventilation of a pit should be watched with increased vigilance, so when there has been a profuse rain fall should the breaking in by water be apprehended wherever collieries are surrounded by old workings. That the accidents at Brierley Hill and Skegby have both resulted from the more than customary pressure upon the barriers which the old pockets in which the water has accumulated ordinarily presents, there can be no reasonable doubt. Such a pressure has been made overpowering by the recent very copious rains. Every mines manager knew all this before, but he is now reminded of it with painful forcefulness; and his regret will be the greater if, by-and-bye, that happens which these occurrences ought to have gone far to prevent. To everyone having the oversight of mines surrounded by traces of the old men we would, therefore, say: Give attention to this subject In another column note is made of a colliery inundation in Not

To everyone having the oversight or mines surrounded by traces of the old men we would, therefore, say: Give attention to this subject with promptitude, and in deeper characters tabulate your memory with "heavy rainfall, weakened water barriers."

The Brierley Hill accident proves that it does not always follow that the putting up of the strongest possible dam will secure an immunity from flooding, even where it is known that water exists on the other side; but the facts in connection with that accident prove that the putting up to the side; but the facts in connection with that accident prove that the putting up to the side; but the facts in connection with that accident prove the other side; but the facts in connection with that accident prove that one may be put up sufficiently repellant to keep back almost any accumulation in the ordinary channel. And they further demonstrate that untold benefits sometimes accrue from an abundance of pumping-power. If it be responded that every colliery proprietor cannot spend 25,000%, in draining a property, we reply that coal mines may be freed of water at a much less cost than in many instances has now to be borne. This is tolerably conclusive from the information upon the pumping question which appeared in the Journal a fortnight ago.

Increased economy may be brought about alike by the adoption o Increased economy may be brought about alike by the adoption of better pumping apparatus than is now in some cases used, and by frank and judicious co-operation and combination amongst neighbouring proprietors. Upon the first point we have a hint no less powerful than the fact that two years and a-half only have elapsed since Mr. WARINGTON SMYTH placed it upon record that he had watched a large pumping-engine in the North, which raised water 105 fathoms deep in 12 in. lifts at 7½ strokes per minute, with a consumption of 20 to 25 tons of slack per day, whilst a similar amount of work is done by an average Cornish engine with from two to two and one-third tons. The coal in the first-named instance was inferior, but the result. Mr. SMYHL anal, shows that there are notined. rior, but the result, Mr. SMYTH says, shows that there are engines in the country consuming upwards of ten times the quantity of coal needed for the work accomplished. In some quarters BULL's enneeded for the work accomplished. In some quarters BULL's engines were a few years ago in favour. BULL's principle was that of omitting the heavy beam or "bob," and placing the cylinder over the shaft, connecting the piston-rod worked through the bottom directly with the main rod of the pumps; but the value of these engines, as compared with certain others, is doubtful. More recently the modification of inverting the cylinder and placing the beam below it has got into fashion at other collieries, notwithstanding the fact that in Cornwall it has been condemned after long experience.

Cornwall has all along taken the lead in investigations relating to the draining of mines. There, in the deep mines, the buckets of the pumps were substituted by a forcing arrangement in all but the bot-

the draining of mines. There, in the deep mines, the buckets of the pumps were substituted by a forcing arrangement in all but the bottom lift. This Captain LEAN accomplished with the plunger-pole or tom lift. This Captain LEAN accomplished with the plunger-pole-ram, working through a stuffing-box into a plunger-case of bored cast-iron, and forcing at every down stroke the water upwards through an upper clack, and the clear column of pipes above it. The arrangement in Cornwall, Mr. SMYTH has himself shown, is universally the ment in Cornwall, Mr. SMYTH has himself shown, is university the same. From the end of the main beam, projecting over the engine shaft, a single rod passes all the way down to the bottom, or bucket lift. Employed in its maximum strength at the surface, where it has the full weight to sustain, it is then tapered or diminished downward, according to the diminution of the strain by which it is affected,

Thus, in a deep mine, a main-rod of 290 fathoms long is made, for the first 120 fathoms of two 12-in. square Riga balk, and afterwards one of 15-in. balk, decreasing to 14 in. and 12 in. At the requisite intervals the plunger-poles are attached to it by sets-off, bound to it by strong staples of iron. The several lengths of rod, generally from 40 to 70 feet in length, are connected by the aid of strapping-plates of hammered iron, from 9 to 12 feet long, on opposite sides of the rod, bolted through it with screw-bolts. At moderate distances apart stays are placed across the shaft, which guide the motion of the rod, and iron rollers are added, where it deviates from the perpendicular. At intervals, too, very strong beams are placed in the shaft as catches to prevent the fall of the rods downwards, as well as indoor catches, to prevent damage to the engine in case of the rod breaking at a shallow point, and thus being suddenly relieved of its great weight. In this manner (Mr. SMYTH continues) the gigantic pumps employed in some of the mines are worked with such such perfect ease and smoothness of action that you may stand near them in the shaft, and not be aware, except by seeing, that they are in motion. The necessity for economy, and the competition between the engineers in Cornwall, have brought the pitwork to a higher degree of perfection than is to be seen elsewhere. When tested by the work done for a given sum of money, it contrasts remarkably with the rattle and concussion, the heavy cross-heads, and the greater complication of rods that are often noticeable in other mining regions, even though the excellent invention of the plunger may have been adopted. As in the pumps, so also in the engines for working them, Cornishmen have taken the lead. So soon as the expiring of WATT's patent gave them the opportunity, they organised a system by which the engines, with their conditions of work, and the duty accomplished, became reported at monthly intervals. From an average duty of 17,000,000, performed in WATT's ti was observable from the stacks in Cornwall. Scarcely as much can be said now. Mr. SMYTH hints that the cause may be found as much in a false economy, which slackens the supervision of reporting the engines, as from the inferior coal.

engines, as from the inferior coal.

As to the saving to result from combined action in pumping operations, Mr. WALLER, in his "desire to assist in the economical draining" of the Northumberland and Durham district, has demonstrated that the larger the amount of duty performed, the less cost there is in doing that duty, "which (he says) clearly shows that associations formed for draining large districts should, on this account alone, be said to wark more economically than the smaller efforts of each odd. able to work more economically than the smaller efforts of each col-

liery proprietor.'

COLLIERY INUNDATION IN NOTTINGHAMSHIRE.

A painful contrast to the accident at Brierley Hill has, it is feared, happened at Skegby, near Mansfield. Whilst only 1 out of the 13 men was lost at the former place, 4 out of 7, there is only too much reason to conclude, have gone in the latter. In both cases the crews were at work at night, and were then surprised by the bursting in of water from old workings; but whilst at Brierley Hill both the workings in which the two sets of men were engaged were in the crop, at Skegby one of the two in which the men there also were at work are in the din. Earl DUDLEY'S men were therefore, out of the way of water from old workings; but whilst at Briefley Hill both the work ings in which the two sets of men were engaged were in the crop, at Skegby one of the two in which the men there also were at work are in the dip. Earl DUDLEY's men were, therefore, out of the way of the water for some time. Messrs, EASTWOOD's three men, who were in the crop, would have been immured, like Lord DUDLEY's men, if they had not become aware of the danger as soon as it began to exist. Without being able to alarm their mates, who were in the dip workings, the three made for the shaft, which is in the crop, and leaped into the skip, which when they had been lowered was left swinging there to bring them up again. Even here they experienced—if the accounts to hand are to be relied upon—a narrow escape from drowning. It is asserted that the engine-tenter, knowing that they were not to return to bank till the morning, left his engine and went home to bed. If this be so, his return was hardly early enough to save him from incurring the frightful responsibility of having left them to die. Anyhow, by the time they were lifted the water had ascended in the shaft to their chins, even as they stood in the suspended skip. Another account says that the engineman could not be alarmed, because there was no signal from the bottom of the shaft. In that case the Mines' Inspection Act points out who else is responsible. Without deciding whether the law has been infringed in the absence of signaling, or in the absence of the engineman, it is certain, in respect of one or the other, that matters have gone wrong at the pit, independently of any cause to be hereafter assigned for the breaking in of the water, which may be innocent enough. The last-mentioned cause of delay in raising the three men we decline, with our present information, to believe exists at any of the pits of Messrs. EASTWOOD and Co. We can hardly understand that at such a pit one of the leading requirements of the Mines' Inspection Act is disregarded, and that a shaft of 95 yards is withou

FAST SHOTS.

"A terrible list!" Truly, a terrible list. Thirty-four men killed in the Wigan district from a fast shot is enough to invoke such an ex-pression even from the Coroner who will have to ascertain why there pression, even from the Coroner who will have to ascertain why there was such a list, and to whom, unhappily, such calamities are no rarity. The readers of the Mining Journal are only too familiar with recent results of shot-firing in the explosive seams of the Arley Mine. The brief account which we printed last week, supplemented by the more complete facts given to-day, will have placed them in possession of the particulars relating to this last disaster of the kind, so far as they can be made known before the inquest has closed. We all know how much more hazardous a blow-out shot is than one which does its work efficiently. That this accident resulted from a fast shot there seems no reason whatever to doubt. On the morning of the explosion Mr. HIGSON, the Government Inspector of Coal Mines, and his son descended the pit, accompanied by Mr. MERCER, one of the proprietors, by Mr. SMETHURST, Mr. SHORTREDE, from local collieries, Mr. CLARK, surveyor to Sir ROBERT GERARD, and others. Mr. HIGSON and his surveyor to Sir ROBERT GERARD, and others. Mr. HIGSON and his surveyor to Sir KOBERT GERARD, and others. Mr. HIGSON and his son remained in the mine for three hours and a half, and in the course of that time examined all the workings. They discovered that a blown-out shot had occasioned the disaster. Instead of blowing down the head of coal the powder had blown out the ramming; this would be followed by "a long broad rope of fire," which would then spread with destructive power right and left. This "rope" of flame would be expelled with the force, and with the destructiveness, too,

would be expelled with the accident occurred may be of a pellet from a gun.

The part of the workings in which the accident occurred may be thus described:—The downcast-shaft is 225 yards deep, and reach as the Yard coal, lying 120 yards above the Arley Mine. From the pit. the Yard coal, lying 120 yards above the Arley Mine. From the pit-eye a few yards were driven to the dip in the Yard coal, at whice point the sinkers intersected a fault of 120 yards, which threw up the Arley to the level of the Yard coal. They then drove 100 yards down-brow, in the Arley Mine, and met with a number of faults, which ne-cessitated the driving of a tunnel of 100 yards, with a rise of 1 in 6. This is called the Jig-brow Tunnel. At the end of the 100 yard tunnel the Arley Mine is again intersected, and then a working of 300 yards in length is driven down-brow, in a south-easterly direction. At the extreme end of this working the unfortunate victims of the calamity were last working. The seat of the explosion appears to have been at a "place" out out of the lowest level, and distant about 560 yards from the shaft. There is little or no dip. It is said there is no colliery in the country where the ground is so much broken as this, and where the coal has to be recovered under more trying diffi-culties. The Arley Mine is well known as "fiery;" and it is believed that on this occasion flame from the shot has fired gas, and the ex-ploding gas would kill the men. The gas has, probably, accumulated in some "lalese" near the sect of the explosion. oding gas would kill the men. The gas has, probably, accumulated some "place" near the seat of the explosion.

Why there had been this accumulation is a matter to be hereafter

explained. Notwithstanding that it is anomalous for shot firing to take place in a pit where it is necessary to use lamps, still experience has shown that with efficient ventilation coal may be split with powder, skilfully handled, without serious disasters being of a very frequent occurrence. The complaint in relation to some former accidents in the same district, which are still fresh in the memory of the reader, that the shots were not fired by a properly qualified fireman, cannot be raised here. In this case the whole is supposed to have been under the immediate supervision of a careful fireman, and the poor fellow is himself among the killed.

Among the modern remedies which suggest themselves, the use of the electric battery, and the coal to be brought down between "shifts," have been mentioned. A much better device is a coal-splitting machine. The exhibition a short while ago of the productions of the genius in this direction of Mr. BIDDER and Mr. CHUBB led the mining world to conclude that we were much nearer the possession of such an apparatus than now appears likely, judging from the fact that so little has recently been heard of the machines. We have before intimated that if those gentlemen would only distribute a few of them in their present condition amongst our miners it would be quickly shown in what respect they most need improvement. With the required antidote for the terrible evils of shot firing so near at hand as those machines would indicate, it is more than tantalising that perfection seems unnecessarily delayed.

In this, however, we are looking more to the future than to the present. The accident at the unfortunate Highbrooks Collier Jast Thursday would not, probably, have happened if the coal had been attemped to be split with a machine and not by powder; but the questions for immediate decision are—Ought it to have happened even with powder; and whether the state of things thereby revealed do not indicate that if there had not been an explosion from a spent shot, such an accident would

EXHIBITION OF THE MINING PRODUCTS OF CORNWALL AND DEVONSHIRE,

AND DEVONSHIRE.

The British Association's choice of Exeter as the city wherein to hold their meeting in 1869 will be availed of as an opportunity by those connected with the mineral industries of the Western Counties to make the vastness of their resources known. With a view to impart a local character to the meeting, the local executive committee have resolved to hold an exhibition of the mining products, building stones, rocks, and fossils of Devon and Cornwall, in the Albert Memorial Museum during the Association's week. As to the desirability of such an exhibition it is scarcely possible that difference of opinion can exist, and it is, therefore, to be hoped that the various mine agents, captains of mines, quarry and clay works proprietors, and all others interested, will exert themselves to enable the committee to make it at once attractive and representative. Although nittee to make it at once attractive and representative. Although Devon and Cornwall enjoys a high position for their mineral wealth, they have hardly any other productions suitable for a local exhibition, such as it is desirable (as Mr. D'URBAN, the curator of the Museum, very truly remarks) should be held in every place visited by the Association.

tion, such as it is desirable (as Mr. D'URBAN, the curator of the Museum, very truly remarks) should be held in every place visited by the Association.

If successfully carried out, the proposed exhibition must be of much service to all connected with mines, besides being of great scientific interest and importance, as well as of considerable economic and educational value. Devonshire and Cornwall, moreover, produce numerous kinds of building stones of great beauty, which deserve to be better appreciated than they are even now; and if quarrymen and marble-masons will co-operate, and send us specimens of stones, properly prepared to show their capabilities, a very attractive and useful exhibition will be the result. The china and other clays of the two counties are exported in great quantities to the Potteries in Stuffordshire and elsewhere, and are also extensively used in papermaking, bleaching, and other manufacturing operations. They should, therefore, be well represented. The committee are also desirous of exhibiting specimens of pottery, bricks, tiles, and drainage pipes, manufactured in Devon and Cornwall. Rock specimens and fossils, illustrating the geological structure of the county, are greatly desired, the attention of geologists having been of late years directed to the determination of the age of those rocks so largely developed in Devon and Cornwall. With a view of making the exhibition as attractive as possible, and to give it a popular and instructive as well as a scientific character, it is proposed to admit models of waterwheels and machinery used in mining, and in crushing and dressing the ores; plans and sections of mines; photographs and drawings of mining buildings; miners' tools and dresses; and anything else which will illustrate underground life. The geological features of the district will, no doubt, be ably described by local geologists; and the committee also hope that well-qualified persons will be found to read papers before the sections on all subjects connected with mines and mine

HOT AIR VERSUS STEAM AS A MOTIVE-POWER.

HOT AIR VERSUS STEAM AS A MOTIVE-POWER.

The continual accidents which occur by the explosion of steamboilers, causing such fearful havoc to human life, will be admitted by all to be a subject just now of paramount importance. Scarcely a month passes without adding another frightful catastrophe to the thousand and one already recorded in the Mining Journal and other public records of these unhappy accidents. We have paid considerable attention (writes a correspondent, in whose statement every confidence may be placed) to this subject. He inspected the boiler and ruins at Cinder Hill, near Sedgley, some 12 or 14 years since; the frightful catastrophe at Mr. JEFFERIES Iron Works, Harts Hill, near Dudley, and, last of all, the dreadful explosion of a puddling furnace-boiler at Mr. THOMAS WELLS'S Iron Works, Moxley, where the boiler was carried by steam force through the roof of the works, a large portion falling into the canal, and the remainder scattered in heavy fragments. One piece was sent a considerable distance over the Birmingham Canal. If we remember rightly, about 13 men lost their lives. This last occurred about 12 months since.

This is an appalling state of things, and proves beyond doubtthedanger to human life of the use of steam as an agent at high pressure. We are aware that boilers may be made, under certain careful regulations.

ger to human life of the use of steam as an agent at high pressure. We are aware that boilers may be made, under certain careful regulations, to keep the steam safe and harmless, but this is not done; experience amply proves it has not been done, and we fear it never will be done. Further, our experience in these matters enables us to say all these accidents have been, and can be, traced either to a want of care or culpable negligence. For example, the iron itself may be bad, or it may have been rendered crystalline or rotten by continual heat, and the sudden changes of temperature to which all boilers are bad, or it may have been rendered crystalline or rotten by continual heat, and the sudden changes of temperature to which all boilers are subject every week. The feeding may have been neglected, the plates red-hot, and while the heat of two or three puddling-furnaces is acting against a boiler, cold water is turned in. The bottom has probably been repaired with strong plates, clumsily lashed on to weak plates; the great strain in this case would bear upon the weaker parts. The safety-valves may stick, or perhaps while the greater amount of calorio is being absorbed by the highly rarified water in the boiler, the engine stops (as the feed stops at the same time), accelerating at a higher ratio the generating power of the calorio upon the water in the boiler. The egress of the steam at the safety-valves is inadequate to the increased supply of steam, and an explosion in this state of fire and confined water and steam becomes inevitable, with its fearful concomitants to human life. fearful concomitants to human life.

All practical men who visited the appalling scenes above referred to, and two others which we inspected, one at Bradleyfield Iron Works, the other at Millfield Iron Works, belonging to Mr. THOMAS ROSE

will have a vivid recollection of the fearful nature and terrible con

will have a vivid recollection of the fearful nature and terrible consequences which ensue from the use of this most useful, but we may say equally dangerous, agent, commonly called steam. Since the days of WATT hundreds of patents have been taken out, with the view of subjugating the dangerous concomitants of this wonderful element, and rendering it a safe and trusty minister, as a motive-power to the steam-engine; but, alas! all have failed, and up to the present moment nothing has been discovered at 7 lbs. pressure to give the same motive-power, through the agency of steam, as WATT's condensing-engine, which is ministered to by steam, with liability to the above accidents, and loss of life.

Our reflections on this subject have been elicited by an accidental in-pection which we made yesterday of a hot-air engine and rotary water pump, in daily operation in London, the motive-power being cold air, largely increased in volume by the introduction of caloric, and in this state confined until a pressure is created from 7 to 10 lbs. on the square inch; this compressed air, acting on the piston, gives motive-power at a fourth of the cost of steam. Numbers of these motive-power at a fourth of the cost of steam. Numbers of these motive-power at a fourth of the cost of steam. Numbers of these motive-power deviated (which is the only fuel used) is 4 lbs. per horse-power per hour. This is marvellous in an economic point of view-unided, incredible—but we believe it to be perfectly true, which gives a clear saving of three-fourths of the quantity and cost of fuel. The simplicity of the arrangements renders a skilled engineer unnecessary, and as neither steam, water, or boiler is used, explosions are out of the question, the working pressure of the heated air being only 7 to 8 lbs. on the square inch. We propose in next week's Journal giving a plain and comprehensive description of this practical invention, which will be easily understood, and which may place the relative advanof heated air, with the better known competiti

THE NEW AGREEMENT AS TO THE TIPTON BASIN

The colliery proprietors in South Staffordshire, who are deliberating as to the nature of the agreement, if any, into which they shall enter for another 14 years, in respect of the draining of some 1200 or 1500 acres of the most valuable of the minerals of that district, will do well to read the article in this week's Journal, upon "Drainage and Pumping," in which the North of England should likewise be interested. As to the Staffordshire men, there is greater need now than there was 15 years ago, when the expired contract was made, that all conditions by which saving of cost can be effected should be observed. Not only is the mineral more valuable now than then, but the competition of other districts is greater, at the same time that the working out of mines increases the facilities for the accumulation of water. After an agreement has been entered into, founded upon the completest and most able enquiries attainable, then let there be a deter-The colliery proprietors in South Staffordshire, who are deliberating pletest and most able enquiries attainable, then let there be a determination to have the several engines reported at frequent intervals. The small cost of the reports will be over and over again saved in the increased duty performed at a minimum cost by every pump.

The Bessemer Steel Trade.—It is understood that Mr. Bessemer has signified his willingness to reduce his royalties from 2l. to 2s. 6d. per ton, except for steel rails, for which a rebate of 20s. per ton is already allowed. Ordinary Bessemer steel will thus be reduced nearly 2l. per ton, and rails about 1l. 10s. This will remove all inducements which might otherwise exist to infringe the patent-rights remaining to Mr. Bessemer after the expiry of his principal patents in the course of next year, and at the same time will give an impetus to the steel rail trade, by permitting the steel rails to be sold in the market at a price but little higher than that of iron. If the Heaton process should solve the question of converting cheap pig-iron into steel, iron rails may, probably, be entirely displaced.

ACCIDENTS IN COAL MINES .- The Government have a bill upon this subject in course of preparation. In reply to Mr. Greene, it was announced by Mr. Bruce, in the House of Commons on Thursday evening, that he hoped it would be introduced in about a week's time

THE EXPORT COAL TRADE.—The exports of coal from the United Kingdom appear to be still increasing, having amounted in the two months ending Feb. 28 this year to 1,287,312 tons, as compared with 1,257,397 tons in the corresponding period of 1868, and 1,182,959 tons in the corresponding period of 1867. To these totals the exports of February in each year contributed 663,665 tons, 582,227 tons, and 622,069 tons respectively. The exports to France in February were 160,656 tons, as compared with 153,571 tons in February, 1868, and 173,375 tons in February, 1867; and in the two months ending Feb. 28 328,570 tons, against 324,466 tons in 1868, and 332,687 tons in 1867 (corresponding periods). The exports have increased this year to Russia, Prussia, the Hanse Towns, Spain, Italy, Brazil, &c.; but they have decreased as regards Sweden, Holland, the United States, and British India. The value of the coal exported in February 333,2761., as compared with 299,3411. in February, 1868, and 324,5571. in February, 1867; and in the two months ending February 28 this year 647,6174., as compared with 655,4621. in the corresponding period of 1868, and 625,5711. in the corresponding period of 1867. THE EXPORT COAL TRADE.—The exports of coal from the United

WIRE-ROPE TRANSPORT.—The practical value of the wire-rope transport system, invented by Mr. C. HODGSON, C.E., is now becoming fully recognised by those engaged in working mines. Sir G. S. Robinson has given an order to the Wire Tramway Company to construct one of their patent ways, for carrying iron ore from his quarries to the Cransford Station, and the company have several negociations pending, which are delayed only for obtaining the necessary way leaves. For the transport of minerals from the mine to the shipping place or railway station the new system appears to offer all the advantages that can be desired.

STREET TRAMWAYS FOR LONDON.—From time to time reference has been made in the *Mining Journal* to the great advantage which would result from the introduction of street tramways in London, would result from the introduction of street tramways in London, and to the complete remedy for the objections hitherto offered, which the rail invented by Mr. Z. EASTMAN, the United States Consul for Bristol, would afford. It is gratifying to find that the evidence which has up to this time been given before the committee appointed by the House of Commons to consider the Metropolitan Tramways Bill is decidedly favourable to the projects. Where the tramways are used the superior speed and economy with which they convey passengers drive omnibuses and cabs from the roads, the facilities for commercial and other traffic helps much increased. ommercial and other traffic being much increased

THE CROWDED THOROUGHFARES OF LONDON. - Amongst the many great improvements now going on in London to relieve the over-erowded state of traffic, and for opening up new means of communi-cation, "The Tower Subway" is one which deserves especial notice, as forming an easy and safe connection between the two denselypopulated districts situated north and south of the Thames, between London Bridge and the Thames Tunnel. This work is now in course of construction under the bed of the river, from Tower Hill to Tooleyof construction under the bed of the river, from Tower Hill to Tooley-street, and consists of a tunnel less than a quarter of a mile in length, access being gained to it by a shaft at each and. The depth of these shaft will be 52 feet and 60 feet respectively, in which it is proposed to have plumb lifts for the transit of passengers, parcels, &c., to and from the subway, through which an omnibus running on steel rails is propelled, both being worked by steam-power. In driving the subway, which will be about 22 ft. below the bed of the river, a wroughtion shield will be employed overlapping the tunnel, provided with doors in the front, through which workmen can drive the heading, but which can be immediately closed on any appearance of water, and so render all water-tight; this shield will be propelled by powerful screws, and as it progresses the tunnel segments inserted. The whole of the work is under the superintendence of Mr. P. W. Barlow, jun., C.E., the engineer, the contractor being Mr. J. H. Greathead, whole of the work is under the superintendence of Mr. F. W. Barlow, jun., C.E., the engineer, the contractor being Mr. J. H. Greathead, under whose superintendence the shafts are now being sunk by Mr. Thomas Tilley, the well-known Artesian well engineer. The castings for these shafts and the tunnel, which are all made in segmental rings firmly bolted together, as also the manufacture of the shield, are enrusted to the firm of Messrs. Bells, Goodman, and Co., of the Walker

Engine Works and Foundry, Newcastle-upon-Tyne, and Walbrook. The "Tower Subway" was commenced on Feb. 16 last, and as the shaft for the Middlesex side is already sunk to the depth of 60 ft., and the remainder of the work well advanced, it is expected to be opened to the public before the commencement of the year 1870.

COMPRESSED OR ARTIFICIAL FUEL-No. I.

In the grand economy of Nature there is no waste, but whenever her arrangements are disturbed by man, especially in the mining of coal, then, from the very nature of things, and the fact of breaking up such mineral deposits by mechanical means, can be traced the unavoidably great waste always occasioned; and this is especially apparent to those acquainted with the workings carried on in the different coal fields in England and other countries, where millions of tons of slack, or lime coal, are annually lost, either by being left underground, or when brought to the surface allowed to run to waste, simply because it is an article of little commercial value. Then, underground, or when brought to the surface allowed to run to waste, simply because it is an article of little commercial value. Then, again, it is also a well-known fact that in the coal fields of Wales, Somersetahire, and the Forest of Dean there are veius of coal in the measures yielding scarcely anything but lime coal, or slack, the working of which, from that fact alone, has yielded scarcely any or no profit after development. Such properties, therefore, often after considerable sums of money have been expended on them have been allowed to remain in statu quo for years, and, doubtless, will remain so in a general sense until some scientific and mechanical principle can be profitably brought to bear, and this waste in lime coal be restored as nearly as possible to the original condition, form, and quality of be profitably brought to bear, and this waste in lime coal be restored as nearly as possible to the original condition, form, and quality of block coal as found in Nature's veins. If this could be successfully effected the collieries which are now comparatively of little value would rise in importance, and be worth as much consideration from capitalists as collieries from which the best block coal is obtained; and this would especially be the case if the cost of the manufactured fuel could be reduced to a scale which could compete with, or at least be equivalent to, the cost of obtaining coal in the usual way. The development of collieries containing veins of coal producing mere slack, or small lime coal, and turning it, together with the waste slack made at collieries in general, into block by a patent process is a subject of vast importance, and one to which too much attention cannot be given. It must, however, be admitted that within the last few years considerable progress has been made in this department of modern manufacture, and no pains or expense spared to accomplish the grand object; however, while we feel it our duty to give credit to those who have devoted their time and money for the public benefit in this cause, and have paved the way for others to effect still further improvements, we, nevertheless, conceive that the subject is too comprehensive, and the field of investigation too extensive, to be easily and readily exhausted. Many persons in the present age too comprehensive, and the field of investigation too extensive, to be easily and readily exhausted. Many persons in the present age devote themselves to a particular line of study, or to a subject in which probably they most delight, or from their natural capacity are fitted and rendered best adapted to produce useful and beneficial results; it does not, however, follow that because an individual has studied a particular subject for a long time improvements are the results of his investigation. No, for in many cases it is far otherwise; however, that the student in his city laboratory may by perseverance through Nature's laws and elements effect a great deal when on the right course of discovery is a fact which we freely admit: on the right course of discovery is a fact which we freely admit nevertheless, too much importance being attached to theoretical in-vestigation renders the results generally obtained of less value than could otherwise be desired. It is undoubtedly most conducive to the could otherwise be desired. It is undoubtedly most conducive to the public good when the laboratory of science, combined with natural discrimination, keeness of observation, and a thorough practical knowledge, are found in persons who engage in the investigation of a subject that the most valuable results are obtained. We think the assertion is true, and we further believe we are justified in stating that we cannot discover that out of the many practical and thinking persons engaged in and connected with mining operations at the different collieries in the United Kingdom but few, if any, are to be found identified as inventors with the subject of this article. We are the more surprised at this, as the class of men so engaged, of all others, are from the very nature of their occumation best qualified. are the more surprised at this, as the class of men so engaged, of all others, are, from the very nature of their occupation, best qualified to adopt means to an end in mining and its concomitants, especially for the purpose of turning waste elements into a profitable article of commerce. For a long time past a process which would effect the purpose desired has been sought, but, although many patents have been taken out for compressing small coal into blocks, the public have not received them with so much confidence as the different inventors could have desired or claim for them. A new patent process, however, is about to be introduced by Messrs. Hoskold and WHEELER, for which they have obtained patents in Great Britain, France, and Belgium, and it may here be observed that the patentees are, one of them a mining, and the other a mechanical, engineer. Anything of the kind, therefore, coming from them would seem to imply practical success. It is claimed, and apparently with justice, that this is the best patent process hitherto discovered. Many specimen blocks of the fuel made by this process have been tested, and are considered to be of excellent quality; indeed, so sanguine are the inventors of the success of this invention that it is their belief it is destined to supersede all other processes hitherto introduced. is destined to supersede all other processes hitherto introduced.

REPORT FROM SCOTLAND.

APRIL 7.—The Pig-Iron market closed last week with a quiet but steady business, and opened this week with renewed vigour, under the influence of speculation for behoof of Liverpool houses. Speculators for a rise will have to fight an up-hill battle, as the make is exceeding that of last year by 3000 tons a week; and if this is continued, and added to the 95,000 tons of increased stock last year, it will make an increase in the stocks at the end of the present year of 251,000 tons. With these figures before them speculators may well pause before embarking in an undertaking which contains so few elements of success. Besides, makers are selling about 1s. a ton under the quoted price of warrants, which enables brokers to store with a profit for their adventurous proteges. In Messrs. Connal and Co.'s yard there are now stacked 324,966 tons of pig-iron, with warrants in circulation for 313,200 tons, which is an increase of stock in store for the month of 8774 tons, with a considerably lower average than either of the two preceding months, though better than in the corresponding months APRIL 7.-The Pig-Iron market closed last week with a quiet but

57/4 tons, with a considerably lower average than either of the two preceding months, though better than in the corresponding months of last year, as the following figures will show:

Averages.

January.

February.

March.

55s. 3d.

55s. 1½d.

55s. 3d.

55s. 3d.

55s. 1½d.

55s. 3d.

55s. 3d.

The shipments from the Scotch ports (foreign and coastwise) for the week ending yesterday were 15,933 tons, against 11,479 tons in the same week of 1868, which makes the total increase on the year to due. same week of 1868, which makes the total increase on the year to date nearly 23,000 tons; while, on the other hand, the Middlesborough imports have decreased about 9500 tons in the same period. Yesterday the market opened strong, and 53s. 6d. cash and 53s. 9d. a month was paid, but closed easier, with 3d. less offering, at which prices there were buyers over. To-day only a limited business was done, at 53s. 3d. to 53s. 4d. cash, 53s. 6d. to 53s. 7d. a month, closing buyers 53s. 3d. cash, and 53s. 6d. a month, sellers requiring 1d. more. No. 1. 2 m. h. 53s. 9d. 10 a month, sellers requiring 1d. more. were buyers over. To-day only a limited business was done, at 53s, 3d. to 53s, 4d. cash, 53s, 6d. to 53s, 7d. a month, closing buyers 53s, 3d. cash, and 53s, 6d. a month, sellers requiring 1d. more. No. 1, g.m.b., 53s, 9d.; No. 3, 50s, 9d.; Coltness, 60s, 6d.; Gartsherrie, 60s.; Langloan, 54s, 6d.; Glengarnock, 55s.; Eglinton, 53s.—all No. 1. Manufactured iron continues in rather vigorous demand, bars being quietest, while all kinds of ship iron is being pushed. At the annual soirce of the employees of Messrs. Randolph, Elder, and Co., engineers and shipbuilders, Govan, one of the members of the firm made the pleasing announcement that, instead of the 1500 hands they had employed at the period of their annual meeting last year, they had now close upon 5000 hands engaged; and that if the principle which the firm had originated 16 years ago, for the saving of fuel in the navigation of steamers, was much further carried out he predicted the days of sailing ships would be numbered, and this opened up a hopeful future both to the shipbuilder and the iron trade. There is no change in the price of either bars, angle iron, or plates, although the tendency is to an increase in the two last-named articles. Ironfounders are fairly employed, but brassfounders are complaining of slackness. fairly employed, but brassfounders are complaining of slackness Tube makers, both here and in the Coatbridge district, are well sup plied with orders.

In the Coal Trade there seems to be no elasticity, and with miserable shipments, some of the coalmasters are reducing to half-time.

Coals for shipment can now be bought here on terms never before

conceded even in the worst times, and there is no spirit in the deconceded even in the worst times, and there is no spirit in the demand. The week's shipments (which include a considerable portion of the Canadian demand) only amount to 38,045 tons, against 48,765 tons in the corresponding week last year, with a very much increased home consumption. All descriptions of coal are alike dull, and gas companies must be realising large profits from the cheapness of the raw material. In the Upper Ward, the Haywood Gas Coal Company have "won" the coal in the pits they have been sinking for a considerable time, and they are about to commence with others. Gray and Paul are waiting the completion of a branch railway, to work a valuable seam on the Climpy estate; and they are in process of sinking a shaft to the gas coal on the Wilsontown estate. In the western division of the county, shankers are busy in various localities; and

division of the county, shankers are busy in various localities; and all that is required to open up new pits is a remunerative demand.

In the meantime, the miners are, undoubtedly, in a sad plight, and it is reported that Mr. Alex. McDonald, and a number of young and it is reported that Mr. Alex. MoDonald, and a number of young and healthy miners will set sail shortly for the mineral fields of the Great Western Republic, where no beggar is to be seen, and where the cornucopia of plenty is exhaustless. Mr. McDonald has changed his mind before, and may do so again; but his visionary views of the glory of the States may take sufficient hold of some of the more adventurous of the class, and send them off to that "better land" in a state of measurements.

venturous of the class, and send them of to that "better faild" in a state of mesmeric somnolency.

The shipbuilders on the Clyde have had a busy month, 18 vessels, of 17,608 tons, having been launched, 10 of which were iron steamers, 4 iron ships, 2 composite, and 2 small wooden craft, of 95 and 180 tons respectively. The Messrs, Thomson have also concluded contracts for two large iron screw-steamers, of fully 3000 tons, for the Liverpool and New York mail service.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

APRIL 8.—The Quarterly Meetings of the Iron Trade have been ald to-day, at Birmingham and yesterday at Wolverhampton. At

ARRIL 5.—The Quarterly Meetings of the Iron Trade have been held to-day, at Birmingham and yesterday at Wolverhampton. At each there was a good attendance, and especially, of course, at the Birmingham meeting, which is always the more important. The trade is quiet, but, on the whole, there is a steady demand for the kinds of iron chiefly produced in South Staffordshire. The plate trade seems to be going away, like the rail trade, and it is getting accepted almost as an axiom that South Staffordshire can only be busy after the other great districts are full to overflowing.

The first discussion by the Board of Arbitration, established by the masters and men connected with the Iron Trade in the North of England, on the critical subject of wages has, in one respect, exactly fulfilled the anticipations expressed in this letter—that the votes would probably be equal; but, happily, the fear that a dead look might occur in choosing upon an umpire to decide so vital a question, has been obviated by the fact that a gentleman well known in South Staffordshire—Mr. Rupert Kettle—was approved by both parties. It happens that Mr. Kettle has this very week received a high honour in this county, in having been appointed Assistant Chairman of Quarter Sessions, on the proposition of the Lord-Lieutenant (the Earl of Lichfield), and was elected by a very large majority over a very able, active, and popular magistrate, the brother of the late earl, whose election was strongly supported, on the ground that he was a member of a county family. Mr. Kettle is worthy of both very able, active, and popular magistrate, the brother of the late earl, whose election was strongly supported, on the ground that he was a member of a county family. Mr. Kettle is worthy of both honours, but each draws with it, as all honours should, a very heavy responsibility. As yet it has not been announced whether Mr. Kettle will accept the arbitration of the wages dispute in the North of England. If he should, he will have a very difficult task. The question is—What is to form the basis of a decision? Is it to be whether labour is scarce compared with the demand for it? which political economists argue must, and will ultimately, determine the rate of wages; or is it to be the question whether the masters' profits have increased sufficiently to cover an advance in the rate of wages? have increased sufficiently to cover an advance in the rate of wages? The elements of the question are so numerous and various, and there is so little general agreement as to them, that Mr. Kettle is not to be envied his task. As these meetings go on, and experience tests the wisdom of decisions, a general assent will be, probably, gained to certain leading principles. One which seems likely to be prominently brought out is this, that, looking at the question in the light only of brought out is this, that, looking at the question in the light only of the advantage of the workmen, an advance of wages is by no means always to their benefit. Wages and prices have been raised within a few years in the iron trade, with the result of checking recovery, and of sending orders away which would have come to this country, and hence Mr. Kettle may ask himself whether, if wages were now advanced, the men would be likely, for the next three months, to be better off, whether shortness of work would not, probably, reduce their earnings more than an increased rate would augment them? If the question had to be decided with reference to South Staffordshire, possibly hardly any doubt could be entertained that the answer would be against increase, and any such step would be regarded by the masters in this county as most serious, since they could hardly avoid following in the wake of another district. Everybody will look with interest for the discussion of the question before the arbitrator, and his decision, and the grounds for it.

the masters in this county as most serious, since they could hardly avoid following in the wake of another district. Everybody will look with interest for the discussion of the question before the arbitrator, and his decision, and the grounds for it.

The reports of Mr. R. Baker, the Factory Inspector for this district of the country is very elaborate. He is very hopeful that the Factories Acts will be heartily accepted in a short time. He, however, acknowledges, and his Sub-Inspectors with still more distinct ness, that the educational provisions have so far produced no effect—that boys under 13 have been generally discharged from the iron works and the hardware works, and that they have not to any considerable extent gone to work; but that whilst many have been driven to idleness, others have resorted to the smallest shops, which abound, exchanging, as a rule, comfortable places of work, with regular hours, for wretched little cells or hovels, where there is little regularity, and that the exchange to which is in all respects a detriment. All the Sub-Inspectors appear to agree that the Workshops Act is—except in a few rare cases—a dead letter, and so long as the best conducted establishments are regulated and restricted, and the worst left alone, the result must be evil. Whatever provision is made must be uniform. Mr. Baker hopes, and with some grounds probably, that if work were to become brisk masters would try to adopt the half-time system, but to ensure this all labour must be dealt with on the same terms, or the children will be sent where there is no interference. Captain May, the Sub-Inspector in North Staffordshire, almost suggests that boys should be allowed to work at nights in iron works, though he does not venture to do so openly. It is quite evident that the extension of these Acts was hastily accomplished, and that the question needs revision.

The inquest connected with the flooding of the Lock's Lane Colliery, at Brierley Hill, has terminated in a verdict of "Accidental Death." The jury append

meeting of the Institute the proposal of the Imperial Union Assurance Company (Limited) to ensure to miners in case of accident, or their families in case of their death, a certain provision was discussed

and approved. The proposal is—

"That by a payment, to be made in advance half-yearly by the masters, equate 3d. per man and 1½d. per boy weekly, the company will in case of fatal accident pay to the representatives of the former 18l., and to the latter 5l., and it case of partial disablement they will pay 6s. per week in the case of a man, and 3s. per week in the case of a man, and the chartormaster or the men.

A member of the firm of Messrs, Samuel Groucutt and Sons was present and attend that they had adopted it, and it was reported that

A member of the firm of Messrs, Samuel Groucutt and Sons was present, and stated that they had adopted it; and it was reported that several other firms contemplated falling in with the proposal. Any such provision is desirable, and doubtless the Institute, before approving it, satisfied themselves that its financial basis is thoroughly sound. A sum of money was contributed at the meeting towards the fund being raised for the purpose of presenting the brave fellows who rescued their comrades from the colliery at Brierley Hill with some mark of the admiration their conduct has excited, and they suggested that each should have a silver watch, with a suitable inscription—a very appropriate present.

very appropriate present.

An inquest as to the death of Henry Careless, who lost his life last
week at the Reddall Collieries, Cradley Heath, through failing down the shaft
from overwinding, resulted, on Tuesday, in the committal of the engineman,

Benjamin Danks, for manslaughter. His only excuse was that the bell did not ring as the skip was raised, because the skip had only been low-red a part of the way down the shaft, but he knew that fact, he had an indicator, and also the token on the chain. The banksman had left an assistant, a youth, in charge, who appeared by no means intelligent at the inquest, and who in his hurry to push the runner over the shaft slipped down, and so the poor fellow who fell from the skip was killed. It came out that the rule requiring that the engineman should send a return signal to the banksman was not compiled with, and no means of doing so existed.

At the Rursdow Police (Post on Tanakana)

o means of doing so existed.

At the Burslem Police Court, on Tuesday, Levi Leese, an engineian, was fined 5s. and costs for a breach of the 38th rule, by taking lucifer
latches into a part of the North Staffordshire Coal and fron Company's colery at Talke, where lamps only were allowed to be used, and he was warned
hat had it not appeared that it was merely inadvertence he would have been
ent to prison. John Brindley, a miner, was fined in the same amount for firng a shot, instead of leaving it to the fireman. It was a slight breach of the
ule, the train having gone out after the defendant had fired it, but strict obelence to the rules is most important.

The following are the returns of blast-furnaces to March 31:-

	WOLVERHAMPTON.	01	24	·-	
Works.		Bui			blast.
Chillington	Chillington Iron Co	4	*****		2
Parkfield	Parkfield Iron Co	. 5	****		5
Millfields	Union Iron Co		*****	• •	0
Osler Bed	Osier Bed Iron Co				1
Stow Heath	W. and J. S. Sparrow and Co.	4			2
Willenhall		. 3			2
Moseley Hole	Chillington Iron Co	. 3			0
moscied mote sessions	BILSTON.	40			0
Priestfields, New		2			1
Pileton Brook					2
Bilston Brook	Brook Furnace Co	0			
Herbert's Park	D. Jones	1			0
Barbon Field	Barbon Field Co	2			2
Caponfield	J. Bagnall and Sons	3			1
Spring Vale	A. Hickman Deepfields Iron Co	3			2
Deepfields	Deepfields Iron Co	. 3			1
Cosolov	J. Turley	2			2
Detended	H D Whitehouse	3			3
Prioriteids	H. B. Whitehouse	1			
Stonefield	Stonefield Iron Co	-	****		1
Bradley	G. B. Thorneycroft and Co	2	****		2
Bovereux	Baldwin and Co	. 2			1
	WEDNESBURY.				
Rough Hay	Addenbrook and Co	. 3			2
Old Park	Patent Shaft Co	3			3
Broadwater	Groucutt and Sons	3			3
	Darlaston Iron Co				3
Darianton	TIPTON.		****		
Wednesbury Oak		3			9
	T. Williams and Bons	0	****		
Willingsworth	J. Brayford	. 3			2
Tipton		2	****		0
Tipton Green	W. Roberts and Co				4
Coneygree	Earl of Dudley	3			2
Park Lane		2			1
Horseley	ditto				2
Groveland					î
Tividale, The Hauge	Dound Drothors		****		
Tividale, The Hauge	Round Brothers	20	****		1
Dudley Port		2	****	••	0
******	WEST BROMWICH.	_			
Gold's Hill					2
Union		. 3		••	2
Crookhay	W. and G. Firmstone	. 4			3
Oldbury		4			0
The Cape, Smethwick		. 1			0
Stour Valley	J. and S. Onions				9
Budit thiney	WALSALL.	- 40		••	-
Birchills		0			0
		- 2	****		
Hatherton	W. Fryar	. 2			1
New Birchills	Birchills Estates Co	. 4			0
Bentley	Chillington Iron Co	. 2			1
Pelsall					2
Green Laues	J. Jones	. 2			2
DUDLEY	AND EAST WORCESTERSHIRE.				
Congreaves	British Iron Co	. 6			4
Dudley Wood	N. Hingley and Sons	4			2
Withymoor	W. H. Dawes and Sons	2			2
Windmill End	J. H. Pearson	3			2
Netherton					2
New Netherton	M. and W. Grazebrook	. 2			2
The Level		. 4			2
Woodside	Cochrane and Co	. 3			2
Old Level					0
Shutt End	. J. Bradley and Co	. 4			3
Oak Farm	Sir S. Glynne, Bart.	. 2			0
	Sir S. Glynne, Bart W. Matthews S. Hingley and Co	. 3			1
Corbyn Hall	S Hingley and Co				
	es. Hingley and Co	. 1			1
New Corbyn Hall	B. Glbbons	. 4			0
The Leys	W. and G. Firmstone	. 3			2
The Buffery		. 1			0
Parkhead					1
Old Hill	D. Rose	. 2			0
		Interest Ba			-

At a corresponding date last year the number of furnaces in blast was 86, showing a difference in favour of this year of 11.

REPORT FROM NORTHAMPTONSHIRE.

REPORT FROM NORTHAMPTONSHIRE.

APRIL 8.—From several of the large ironstone fields a very fair export business is being done to various parts of the kingdom, and, considering the unlimited character of the supply, it is rather surprising that capitalists have not extended their operations more than they have done in the raising of the valuable beds of ore with which the greater part of the county teems. At Wellingborough there is now a good deal of activity, and that place gives promise of becoming a very important centre for the manufacture of pig-iron, seeing that on either side of the railway which passes it there is an almost inexhaustible supply of stone, worked on the surface, from 8 ft. thick and upwards, and containing in some places upwards of 40 per cent. of iron. Recently the Messrs. Butlin have been busily engaged in extending their new works near to the station, and have just put their second furnace in blast, which has been erected on the most improved principle, under the superintendence of Mr. W. Butlin. The site, we believe, has also been marked out for other two furnaces, so that there will ultimately be a cluster of four, in addition to the two belonging to the same firm nearer to the town. At present there are no less than six blast-furnaces within view of, and close to, each other, the Glendon Company having both of theirs in full operation. Higher up in the Blisworth and Gayton districts a fair business is being done, a good deal being sent away by the London and North-Western Railway. The Midand also is taking a large tonnage into Derbyshire and Yorkshire, Messra. Butlin alone exporting by that line something like 2000 tons per week, whilst their own consumption is 1300 tons weekly. No great inconvenience is experienced from what has generally been supposed to be a drawback to the development of the mineral wealth of the county—the want of coal in the neighbourhood. Seeing that there is a large demand for the stone in districts where there is plenty of coal and coke well adapted for furna APRIL 8,-From several of the large ironstone fields a very fair ex-

REPORT FROM MONMOUTH AND SOUTH WALES.

APRIL 8.—The engagements entered into by the ironmasters this district during the past week are below the average, but this is satisfactorily accounted for by the Easter holidays and quarterly meetings, which have caused the slight cessation of business trans-actions referred to; but now they are over there is every probability of a return to that activity which has characterised the trade sinc of a return to that activity which has characterised the trade since the commencement of the new year. Some good orders are expected to be shortly given out, and if the Russian and American buyers operate to any considerable extent for rails, it will undoubtedly tend to an advance in prices in the month of May or June. The leading makers of the district evidently anticipate this favourable state of things, or they would not have refused several good specifi-cations at present rates. From other districts reports have come to cations at present rates. From other districts reports have come to cations at present rates. From other districts reports have come to hand, stating that orders are being received only sufficient to keep going from hand to mouth; but makers in South Wales are undoubtedly in a much better position, the rail mills being kept regularly running, and will continue so during the summer months, if no more orders are received for the next couple of months. The Russian demand continues good, and the makers in this district have secured a considerable portion of the engagements. At the local costs are the properties of the summer of rails to the summer of rails of r ports something like activity is evinced in the shipment of rails to the United States and South America, and at the port of Newport

alone nearly 20 vessels are entered outwards to take rails to New York, and at Cardiff there is an equal if not a larger number. The iron now being sent to the continental markets consists chiefly of bars, for which there is a fair demand, at prices having an upward tendency. There are but few enquiries for plates; but as an improvement has set in in the iron shipbuilding trade there is a fair prospect of a speedy increase in the demand. For some of the miscellaneous descriptions there are numerous enquiries, and a large amount of business is expected to be transacted during the ensuing week. Pig-iron is in better request, and prices are firmer than they have been for two or three weeks. Tin-plates command aready sale, and makers have sufficient orders to keep the mills regularly going. The Steam Coal Trade is not characterised by any degree of briskness, but this is not owing so much to any great falling off in the demand as to a want of vessels of suitable tonnage, the easterly winds

mand as to a want of vessels of suitable tonnage, the easterly winds which prevailed for so many days having prevented vessels of large tonnage arriving at the local ports. The recent order of the Admiralty, removing the restrictions on the use of North Country coal in the Navy, has to some extent tended to increase the present duluess; but this, it is generally believed, will only prove temporary, for, like many previous orders, it will practically have no effect. The superiority of Welsh coal to that of Durham and Northumberland is clearly proved by a series of experiments by navel officers of considerable ability and ex-perience. Transactions with South America have not increased during the week, but considerable quantities are being sent to the French markets. Togthe other continental markets shipments are not so large as of late, but the advices just received indicate an improve-ment in the demand before long. There are more enquiries for house ment in the demand before long. There are more enquiries for house coals, but the season has now too far advanced for any large increase in the consumption to take place.

The disagreement referred to in previous reports as existing be-

tween the Pontypool Park Estate Trustees and the Ebbw Vale Company, is not yet settled; and it is now believed that the Trustees will not make known their intention until the closs of the present quarter. Hopes are, however, entertained of the Trustees accepting the proposals made by the company, who are now repairing one of the blast-furnaces at the rail works, with the view of

blowing in the same as soon as the repairs are completed.

The LLYNYI COAL AND IRON COMPANY have been nominally conceded of an infraction of the Truck Act. Mr. Justice SMITH, after victed of an infraction of the Truck Act. Mr. Justice SMITH, after hearing, with the assistance of a special jury, the case of "Pillar v. the Llynvi Coal and Iron Company," having remarked that as the main question was one of law, he should enter a verdict for the plaintiff, with leave to the defendant to move to enter a nonsuit as a verdict, the Court to draw inferences of fact, and the damages, if the verdict was for the plaintiff, to be referred to some gentleman, to be agreed upon, so that they might be assessed upon the principle which the Court might lay down. A verdict was entered accordingly. Now, that the Truck System is liable to abuse cannot be questioned after the many cases of injustice that have occurred under it, but it has the many cases of injustice that have occurred under it, but has its advantages as well as its disadvantages—it frequently causes the earnings of the workman to be expended upon food and clothing for his wife and family, when otherwise the whole would be wasted upon drink. The plaintiff had been 10 years in the defendants' employ. He used to take a check to the storekeeper and get from him a ticket. He got checks sometimes on account, and when he so got them holes were perforated on the card. The ticket would show the amount that was coming to him. Cash was never paid expent by check on were perforated on the card. The ticket would show the amount that was coming to him. Cash was never paid except by check on the bank of Bridgend. He could get the checks cashed at shops not under the company by the payment of 6d. He used to take the checks to BRITTAN'S shops for provisions, and could not obtain more than about 4s. upon each 1l. cheque, the remaining 16s. being taken by the plaintiff in goods. It appeared that the provisions were usually supplied before the wages were due, but after they had been earned. On the pay-day the wages were paid, deducting the amount which had been received in goods for the advance-cheques issued by the company. For the company it was submitted that the plaintiff was not an artificer within the meaning of the Acts. Then, it was said, as regards the doctor's sick and school fund, that even if he were an artificer it did not amount to a payment or set off of goods within the meaning of the section of the Act; and, lastly, it was submitted that the balances belonged to an account stated, and that the settlethat the balances belonged to an account stated, and that the settle ment put an end to the account.

THE NORTH OF ENGLAND IRON AND COAL TRADES.

MIDDLESBOROUGH, APRIL 7.—The most important event of the week has, undoubtedly, been the meeting of the Court of Arbitration and Conciliation in the Iron Trade, at Darlington, on Monday. A protracted discussion arose on a report presented from the Standing Committee, who, having fully considered the question of the advance of wages sought for by the men, and compared the prices now obtained for manufactured iron with the prices obtained in 1867, when the last reduction took place, certified that the evidence supplied to them as to the correctness of the contract prices quoted by the respective employers was satisfactory, and fully bore out the statement which they had placed before the board at the last meeting. It was found by the committee that the returns given of plates for 1867, aboved the average net cash price at works to be 74.48 as compared to the contract prices of the 24.89 d. as compared to the property of the property of the property of the prices of the contract prices are the same of the contract prices of the contract prices are the same of the same of the same of the prices of the contract prices are the same of which they had praced before the board at the has meeting. It was found by the committee that the returns given of plates for 1867 showed the average net cash price at works to be 7l.4s.9d., as compared with 7l. 3s. 7d. for 1869. In bars, the returns for 1867 gave 6l. 4s. 3d. as the average net cash price at works, as compared with 6l.0s, 6d. for 1869. The returns for rails also showed a reduction of 1d. per ton, as compared with the prices obtained in 1867. Several of the master representatives pointed out that with these prices it. of the master representatives pointed out that with these prices it would be ruinous for them to offer or consent to any advance of wages at present. The operative representatives, on the other hand, con-tended that when the last reduction was made in their wages the masters promised an advance when trade improved. In accordance with this latter argument, it was moved that the Court consent to an advance; but this proposition, having equally divided the meeting, it was agreed to refer the question to the arbitration of Mr. Rupert Kettle, of Wolverhampton, a gentleman who has had large experience in matters of arbitration. Meanwhile each party is preparing evidence to lay before the arbitrator.

At the Cleveland weekly Iron market, on Tuesday, there was a good attendance, and prices were firm at the current quotations. There is a larger demand for pig-iron on both home and foreign account. is a larger demand for pig-iron on both home and foreign account. The Sootch trade in this department shows an increase of 9000 tons during the past three months, as compared with the corresponding period of 1868. Stocks are low, and warrant stores are decreasing. The list rates are—No. 1, 49s.; No. 2, 47s. 6d.; No. 3, 46s.; No. 4, 45s. 6d., net cash, f.o.b. at Middlesborough, or on trucks at makers' works. From statistics just made up under the auspices of the Cleveland Ironwasters' Associationwelearn that the make of pig-iron during land Ironmasters' Association we learn that the make of pig-iron during March amounted to 98,408 tons, as compared with 80,808 tons for the same period of 1868. The shipments foreign from Middlesborough for the month ending March 31 amount to 8398 tons, as compared with 7455 tons for the corresponding month of 1868. The shipments coastwise for March amount to 12,687 tons, as compared with 17,521 tons for the corresponding month of 1868. Makers' stocks on March 31 contained 47,114 tons, as compared with 83,894 tons for the same contained 47,114 tons, as compared with 83,894 tons for the same date last year. The warrant stores at Middlesborough contained on March 31 last 67,486 tons, as compared with 70,547 tons for the same date last year. Several new blast-furnaces are in course of crection date last year. Several new plant and co. (Newport), the in this district at the works of Samuelson and Co. (Newport), the Company Steavengon, Jacques, and Co., and Swan, in this district at the works of Samuelson and Co. (Newport), the Clay Lane Iron Company, Steavenson, Jacques, and Co., and Swan, Coates, and Co. The manufactured iron trade is steady, plate mills are well employed. There is a good demand for forge iron, and many buyers are desirous to enter into transactions for delivery over the present year. The bar-iron trade is still dull, although scarcely so languid as formerly. In this locality there is a steady and active demand for coals and coke, consequent upon the increased briskness in the manufacture of iron. The trade, however, has rather fallen off for the Lancashire districts, and shipments continue small. For the Danish, Russian, and Swedish ports there is a better demand for coal vessels. There has been no advance in rates since our last report.

TRADE OF THE TYNE AND WEAR.

GATESHEAD, APRIL 8.—The severe weather has much retarded the progress of business, which has been small during the past week, for the season, but as moderate weather has now set in more enquiries may be expected for vessels and cargoes. The arrivals in the Tyne have been 230 vessels, 90 being from foreign ports. A good demand for the

Baltic may be expected shortly, and coke rates to Spain still continue to advance. The arrivals at and sailings from the Wear and the Hartlepools have also been moderate, owing to the inclement wear and the Hartlepools have also been moderate, owing to the inclement weather, but the tone of trade generally is decidedly better, and increased rates for freights may be expected shortly. The foreign coal trade will soon be fully opened, and an improved demand for all kinds of coal, but especially for steam coal, may be confidently expected. The decision come to by the Admiralty has already given a considerable impetus to the steam coal trade, and better times are now looked for. The presence of a Government agent for the purpose of arranging for the purchase of coal for the Government is a most significant fact, and highly encouraging to the trade generally. It is evident that the system pursued hitherto has been very imperfect, and not calculated to do justice to any particular coal field. The appointment of responsible agents authorised to visit the coal fields, and make personal inspection of the coal their business appears to be more satisfactory. sponsible agents authorised to visit the coal netts, and make personal inspection of the coal their business, appears to be more satisfactory, as the real merits of each particular coal will in time be pretty well ascertained and understood, while the Government will be enabled to buy in the best and cheapest markets, without confining themselves

ascertained and understood, while the Government will be enabled to buy in the best and cheapest markets, without confining themselves to any particular navy list.

Complaints of little employment still continue to be too frequent at the large works at Harton, near South Shields. A large number of meu have been discharged consequent on the stopping of the "night shift," the pit having been worked double-shift a considerable time, but this second shift has been now abandoned, on account of the continued dull trade. The new winning at Throckley, about seven miles west of Newcastle, progresses but slowly, a good deal of water having been met with, which has much retarded operations, the sinking of the shaft progressing slowly inconsequence. Of course the dull state of the coal trade prevents new winnings generally being pushed with much vigour.

A general meeting of the North of England Institute of Mining Engineers, which should have been held on Saturday, will be held at the rooms of the Institute on the 10th inst. A number of members are to be elected, as usual at all the meetings, and the business to be brought forward is important. The meeting will be special, for the purpose of electing a vice-president in the room of Mr. T. F. Spence, resigned. The following papers will be open for discussion:—Mr. J. Nelson "On the Mechanical Firing of Steam-Boilers;" Mr. A. L. Steavenson, "On the Lemielle Ventilator." Interesting and useful discussions may be expected on these papers, and a full report will be given in next week's Journal.

A most extraordinary strike took place this week at the Thornley and Ludworth Colliscies. "The men as at meet of the works in South

be given in next week's Journal.

A most extraordinary strike took place this week at the Thornley and Ludworth Collieries. The men, as at most of the works in South Durham, are engaged for one year, and the annual binding took place three weeks ago, when certain reductions, to take place on the commencement of the term of hiring (on the 5th inst.) were made. However, on Monday last the men refused to work on the reduced terms, and struck, notwithstanding that they had signed the bond. It appears that they protest that they were not made acquainted with the reduction—a most extraordinary statement, certainly; however, further light will be thrown on the matter shortly. It is a most disagreeable business, and, to say the least, it appears to be rather a rash proceeding on the part of the men to strike in the face of a bond duly signed. Surely, this case might have been decided by arbitration; signed. Surely, this case might have been decided by arbitration; and, should the Arbitration Court recently established in the iron trade here prove successful, the establishment of a similar one for the coal trade is most ardently to be desired.

REPORT FROM DERBYSHIRE AND YORKSHIRE.

APRIL 8.—The iron works are in about the same state as they have been for a considerable time past, in but few branches there being anything like activity. Castings of a heavy character are in slightly better request, but there is little doing at some of the works in those large pieces of machinery which kept them at work for the Midland station at St. Pancras, the girders for which were made in the neighbourhood of Codnor Park. The steel works are only kept moderately going, but nearly all the furnaces are now in blast, with the exception of those at Wingerworth, which have been out for some time. At Eckington, Stayeley, Clay Cross, and Stanton the furnaces are kent the solution of those at wingerworth, which have been out for some time. At Eckington, Staveley, Clay Cross, and Stanton the furnaces are kept fully going, so that the output of pig-iron is very large, notwithstanding the fact that the Iron Trade is so very dull. The Coal Trade is better than it has been, and the tonnage going to London in particular showing a very large increase in the month. The Midland Railway Company is now carrying a much heavier tonnage than ever it has done before, the increase being fully four-fold when compared with the corresponding month of last var. On the other hand, there

Railway Company is now carrying a much heavier tonnage than ever it has done before, the increase being fully four-fold when compared with the corresponding month of last year. On the other hand, there has been a large falling off in the traffic by the London and North-Western Railway, which must tell seriously on the next dividend unless some change is made. It is said, however, that a meeting will take place in a few days for the purpose of lowering the rate, but it is evident that any alteration cannot materially affect the position of the Midland Company, which, from its proximity to the metropolis, is in an exceptional state to nearly all the other lines.

In Yorkshire there has been a good business doing at the iron works, the demand for rails in particular being very extensive, the brands of the Messrs. Dawes being in great request, and the orders as extensive that the firm have been unable to carry them out as quickly as required. A new mill, however, is being put down, which will be the means of still turther increasing the trade of the district. There is more doing in Bessemor steel, and it is said the rail-mills of the Messrs. Cammell and Co. (Limited), now being worked at Sheffield, are to be brought to Penelstone, where there are greater facilities than at the old place. There is rather more doing in house coal to London, although prices are still very low. To Lancashire, also, there is a very fair trade in engine fuel, but at prices which are far from remunerative. In the neighbourhood of Normanton business has considerably improved since the Raster holidays. Coke continues in very good request for the iron works in the Trent, and also for some of those in Derbyshire and Northamptonshire.

THE DISPUTES AT THE SOUTH YORKSHIRE COLLIERIES.—There can now be no question as to the fact that the Miners' Association is fast losing ground at those collieries where the men are out, and that can now be no question as to the fact that the Miners' Association is fast losing ground at those collieries where the men are out, and that the money in several instances now being paid away will all be so much money lost. At Denaby Main, which our correspondent visited on Thursday afternoon, he found the whole place in a tumult, and every indication that a serious disturbance will ultimately be the result. The proprietors have now as many men at work as they require, whilst Mr. Pope, the managing partner, said that the applications for work were so numerous that he had to refuse to set on very many of those who would work, despite every annoyance. He also asserted, most emphatically, that on no consideration whatever would any of the old hands, whether they offered themselves as Unionists or non-Unionists, be allowed to work for the company. What, then, is to be gained by the Union paying those men 150%, a week under such circumstances? The shouting and annoyance cannot be worth so much money, seeing that any person, not wilfully blind, can in a moment discern that all chances of a reconciliation are hopeless. At the colliery itself the serious has given way to the ludicrous in more than one respect. The shift, it appears, ends every day at 2 o'clock, and about that time the old hands, who have improvised a whistle band with drums, proceed as near to the colliery as they can get, and there wait until the men start for their houses, about a quarter of a mile distant, and, accompanied by a vast body of women and children, escort them home, amid derisive cheers and shouts. On Wednesday and Thursday the programme was altered. On the former day one of those termed "black sheep" selzed a black fing, and to avenge such a dishonour, the old hands mustered in great strength on Thursday, and there must have been nearly 500 persons close to the colliery when the shift was ended. To give effect to the seen, a figure was dressed up as a collier, and, with a face remarkable for its blackness, was carried before the men wor

ROCK-BORING MACHINE PATENT FOR SALE.

A SIX YEARS' PRACTICAL EXPERIENCE with these MACHINES has enabled the Advertiser to design one which he can confidently recommend as perfectly adapted for the purpose intended, and free from those ilabilities to casqualties which necessarily attend mechanical inventions of this description in their earlier stages of development. FUR SALE, on exceedingly reasonable terms. Norties, Completion of purchase on proof of action. A bona fide and rare opportunity of realising a fortune. Demand unlimited. Particulars from the inventor, Mr. Henry Brenton, Mining Engineer, Gunnis Lake, near Taylstock, Devon.

TO INVESTORS.

THE LONDON SHARE AGENCY'S CIRCULAR for April contains SOUND ADVICE as regards INVESTING MONEY; also, a list of best-paying and most promising undertakings, including Mines. A valuable guide sent by post for one stamp.

OFFICE,—101, LONDON WALL.

T. Bushin

RAILWAY WAGON WORKS, BARNSLEY.

MESSES, G. W. AND T. CRAIK ARE PREPARED TO

SUPPLY COAL AND COKE WAGONS OF EVERY DESCRIPTION, Either for cash, or by deferred payments through wagon-leasing companies.

WAGONS PROMPTLY REPAIRED.

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FOR SALE OR HIRE. HUGHES AND 0 0 ... HENRY LOUGHBOROUGH.

RAILS FOR SIDINGS, &c., Of DOUBLE-HEAD, FLANGE, and BRIDGE SECTIONS, CHAIRS, FISH-PLATES, AND POINTS AND CROSSINGS, COLLIERY RAILS for underground and tramways,

Y RAILS for underground and Instock, for prompt delivery, by
IRON MERCHANT ROBERT WRIGHTSON, IRON NEWPORT, MONMOUTHSHIRE.

THE BEVERLEY IRON AND WAGON COMPANY

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MANUFACTURERS OF BAILWAY WAGONS, WHEELS
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IMPROVED APPLICATION OF WATER POWER. THE TURBINE.

AC ADAM BROTHERS AND CO., ENGINEERS, SOHO their IMPROVED TURBINE to great perfection.

It is applicable to all practicable heights of fall, glving much greater power from the water than any other kind of water-wheel.

On low falls it has the great advantage of not being impeded by floods or backwater.

backwater.

It is particularly well adapted for situations where the quantity of water is variable, and where all other wheels fall.

Its motion is extremely regular, and, when desired, a governor can be applied effectively.

This wheel is at work in a great many places, to which reference will be given.

COLLINGE'S PATENT SPONGE CLOTHS. FOR CLEANING STEAM ENGINES, EVERY DESCRIPTION

OF MACHINERY, LAMPS, WINDOWS, &c., &c. Being a woven fabric, they are easily washed, say 20 times, consequently do not cost one-fourth the price of cleaning waste.

TRADE ALLOWANCE MADE TO DEALERS, FACTORS, AND AGENTS. Samples and prices upon application to DANIEL COLLINGE AND SON,

1, PEEL STREET, MANCHESTER. TO COLLIERY PROPRIETORS.

U PWARDS of 6000 LARCH, 4000 OAK POLES, 200 OAK and OAK PLANKS upwards of 20 feet long; ELM COAL-PIT RINGS, ready

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cut, in stock.

All kinds of ENGLISH TIMBER supplied in the round, and OAK and LARCH SCANTLING cut to sizes for railway and coal-wagon building.

Dealer in all kinds of BRITISH TIMBER.

MILLWRIGHTS, ENGINEERS, COACH BUILDERS, WHEELWRIGHTS, &c., supplied on the most reasonable terms.

JAMES ATKINSON, No. 63, GRANBY ROW, MANCHESTER.

IN THE TOWER FOUNDRY IS THE TYNE DEPOT FOR MACHINERY of every description for WOOD and IRONSTONE, CORNCRUSHING, and PUG MILLS. Also, AGRICULTURAL IMPLEMENTS. PROPRIETOR—G. HARLE, JUN., No. 49, MAPLE STREET, NEWCASTLE. PURCHASERS of PORTABLE ENGINES and STEAM CRANES will do well to ask G. Harle's price for the same.

HESLOP AND WILSON, IRON, METAL, AND GENERAL MERCHANTS, AND ENGINEERS.

AND ENGINEERS,

40. DEAN STREET, NEWCASTLE-ON-TYNE.

EVERY DESCRIPTION of MACHINERY, ENGINEERS TOOLS, &c. Portable and stationary ENGINES. MILLS, PUMPS, TURBINES, PATENT FANS, AGRICULTURAL MACHINERY, and IMPLEMENTS, STEEL TYRES RAILS, &c.

RALLS, &c.

COLLIERY STORES—Ropes, Spun Yarn, Waste, Leather, Shovels, Picks
Nalls, Chain, Bar-fron and Plates, &c. Solid Cast-steel Sinkers' Hammers and
Picks. Brass and Iron Tubes, Nuts, Bolts, Rivets, &c.

ESTIMATES, DESIGNS, TRACINGS. Price-book on application.

GENERAL MINING COMPANY FOR IRELAND

MAKERS OF ZINC OXIDE. OFFICES,-29, WESTMORELAND STREET, DUBLIN.
MINES AND WORKS, SILVERMINES, COUNTY TIPPERARY.

The Directors beg to intimate to PAINT and COLOUR MAKERS, INDIA RUBBER MANUFACTURERS, SHIPPERS, and the TRADE generally, that they have COMPLETED the EEECTION of WORKS for the MANUFACTURE of ZINC OXIDE, and that they are now producing ZINC WHITE of GREAT EXCELLENCE and PURITY.

Samples and terms shall be forwarded on application.

10. FOWLER, Secretary.

BRITISH, COLONIAL, AND FOREIGN PATENTS REGISTRATION OF DESIGNS, COPYRIGHTS, TECHNICAL TRANS

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Now in the Press.

MINING ATLAS, DESIGNED TO CONVEY COMPLETE

MINING ATLAS, DESIGNED TO CONVEY COMPLETE INFORMATION CONCERNING THE CHIEF MINING DISTRICTS IN GREAT BRITAIN AND THE UNITED STATES OF AMERICA.

BY THOMAS SPARGO,

GRESHAM HOUER, OLD BROAD STREET, LONDON, E.C.

The work contains surface plans showing the geological formation of the various districts, and longitudinal and transverse sections of some of the mose important mines in the United Kingdom, with observation upon their position, character, and working. Geological and parish maps of Cornwall, Devon, Cardigansbire, and the Isle of Man, showing height of hills, &c., have been prepared with the greatest care. Maps intended to illustrate the progress of mining in North America have been executed with great fulness and punctilous exactitude. A map of the United States and territories shows the divisions of each, with the mining districts of Nevada, Colorado, Idaho, New Mexico, Wisconsin, and the line of railways connecting the Atlantic and Pacific. Mr. Whitney Commissioner for the Union to the Paris Exhibition, prepared a map of the great mining region of Colorado for the occasion, and has presented the plate to the author, for this work. A surface map of California shows the position of he mines in that great mining region.

The work will embrace explanatory notes, definitions, and illustrations of mining terms—such as shaft, level, cross-cut, sink, stope, end, rise, pitch, &c.

The work will contain upwards of fifty maps, plans, and sections.

Frice, 10s.; by post, 10s. 6d.

Now ready, price 2s.,

THE NORTH SOMERSETSHIRE COAL FIELD,—
BY SEWARD W. BRICE, B.A.

OPINIONS OF THE PRESS,—"A work of great practical value to all interested in the development of a great South England Coal Field,"—Mining Journal.

"The task of estimating the quantity of coal still remaining in the North Somersetshire Coal Field is very difficult. Here we have a very troubled field of geological enquiry, and of great perplexity and expense to the coal miner. Mr. Brice understands his subject, and his style of writing is clear and interesting."

London: BEMROSE and LOTHIAN. 21. Paternoster. Two. Contact for feather than the style of writing is clear and interesting."

M. SEE and LOTHIAN, 21, Paternoster-row; or post free from the

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN RE SOUTH CONDURROW MINE.

IN RE SOUTH CONDURROW MINE.

TO BE SOLD, pursuant to an Order made in the Cause of King v. McIntosh and Others, dated the 17th day of February. 1869, at the Registrar's Office, at Truro, on Wednesday, the 21st day of April inst., at Twelve o'clock at noon precisely, the 20 (6123rd) PARTS or SHARES of the defendant, John Ewen; the 15 (6123rd) PARTS or SHARES of the defendant, J. Fox; the 10 (6123rd) PARTS or SHARES of the defendant, Froster Bankhardt; the 10 (6123rd) PARTS or SHARES of the defendant, Frederick Sharp; the 10 (6123rd) PARTS or SHARES of the defendant, James Waiton; the 5 (6123rd) PARTS or SHARES of the defendant, J. G. Smith; the 10 (6123rd) PARTS or SHARES of the defendant, J. G. Smith; the 10 (6123rd) PARTS or SHARES of the defendant, Jas. Josial Shepherd; the 10 (6123rd) PARTS or SHARES of the defendant, J. A. Parker; the 5 (6123rd) PARTS or SHARES of the defendant, John Wikinson; and the 5 (6123rd) PARTS or SHARES of the defendant, John Wikinson; and the 5 (6123rd) PARTS or SHARES of the defendant, Wm. Holland respectively, Of and in the said MINE.

JOSEPH ROBERTS, Solicitor, Truro, Sth April, 1869.

London, Plaintif's Solicitors).

Dated Registrar's Office, Truro, Sth April, 1869.

In the Court of the Vice-Warden of the Stannaries.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the WHEAL NORTH GRYLLS MINING COMPANY (LIMITED).—By direction of His Houour the Vice-Warden, Notice is hereby given, that on Thursday, the 18th day of April Instant, at Eleven o'clock in the forencon, at the Registrar's Office, Truro, in the county of Cornwall, this Court will PROCEED to MAKE a CALL of FOUR POUNDS PER SHARE on all the contributories of the above-named company under class A.

All persons interested therein are entitled to attend at the time and place aforesaid to offer objections to such call.

E. SMIRKE. Vice-Warden.

FREDERICK MARSHALL, Assistant Registrar of the said Court.

Dated Truro, April 2d, 1869.

COLCHARTON MINE, NEAR TAVISTOCK. IMPORTANT SALE OF MINING MATERIALS.

IMPORTANT SALE OF MINING MATERIALS.

MESSRS. WARD AND CHOWEN, Auctioneers, WILL SELL, ONE 30 in. double acting rotary STEAM EXGINE, with heavy fly wheel. ONE 10 ton BOILER, and outfit complete, with drawing machine attached, the whole being nearly new.

Capetan and shears, 130 fms. 12 in. capstan rope, 65 fms. 10 in. pumps, 2 wind-bores, 2 door pieces, 2 working barrels, 1 H piece, plunger pole, stuffing box and gland, flange rings, bolts and bars, 40 fms. 10 in. shaft rods, with strapping plates and rod plus complete, 30 cwts. of chain, flat rods, with strapping plates and rod plus complete, 30 cwts. of chain, flat rods, pulleys, astands, chain pulleys and stands, 2 machine kibbles, shaft and balance bobs, 80 fms. ladders, 40 fms. launders, tram wagons, bevils, useful iron, smiths' shop tools, beliows, anvil, serew stocks, taps and dies, mandril, vice, cast steel borers, cast and blister steel, bar iron, old brass, a pair of blocks, 150 fms. tram iron and saddles, 100 fathoms air pipes, nails, powder, castings and dividings, useful timber, scrap iron, and numerous other articles.

The mine is distant 1½ mile from Tavistock Railway Station, and close to the Tavistock Canal.

Refreshments on the table at Twelve o'clock, and sale to commence at One o'clock precisely.

Dated Uppaton, Milton Abbott. Devon, 7th April, 1869.

Clock precisely.
Dated Uppaton, Milton Abbott, Devon, 7th April, 1869.

TO COLLIERY PROPRIETORS, AND OTHERS. C A L V E R T C O L L I E R Y, THE COCKET, NEAR SWANSEA.

THE COCKET, NEAR SWANSEA.

M. R. JOHN M. LEEDER has been favoured with instructions to SELL, BY PUBLIC AUCTION, by Messrs. T. A. WILLIAMS and Co., on Thursday, April 15, 1869, all the valuable PLANT and MATERIALS at the above colliery, comprising a very superior 28-borse power (low pressure) BEAM ENGINE, with TWO CORNISH BOILERS, 6 ft. in diameter, and 26 and 30 ft. in length; set of 9 in. PUMPS, complete; ditted 6 in. ditto, ditto; 42 iron trans (3 ft. 2 in. gauge); wrought and east scrap-iron; bellows, anvil, vice, smiths' tools, &c., &c., too numerous to particularise.

Also, SEVEN POWERPUL DRAUGHT HORSES, in good condition; shaft and leading harness, chaff cutter and gear, bean crusher and gear, corn bin, ladder, bar, &c., &c.

adder, bar, &c., &c.
Catalogues can be had on application to the Auctioneer ten days previous to
die. Saile to commence at Twelve o'clock.
Auctioneer's Offices, Oxford-chambers, Oxford-street, Swansea.

GLAMORGANSHIRE.

SALE of VALUABLE COLLIERIES, situate in the parishes of LLANWONNO GILLYGARE, and LLANTRISSANT, in the county of GLAMORGAN,

THE DARRANDDU, TROEDYRHIWFUWCH, AND CYMMER COLLIERIES.

MESSRS. DENNING, SMITH, AND CO., WILL SELL, BY at One for Two c'clock precisely (unless previously disposed of by private contract, of which due notice will be given), the above-mentioned

VALUABLE MINERAL PROPERTIES,

VALUABLE MINERAL PROPERTIES,
In the following or such other lots as may be agreed upon at the time of sale.
LOT 1.—All that COLLIERY, known by the name of the NEW DARRANDDUsituate in the parish of LLANWONNO, in the county of GLAMORGAN, extending over an area of upwards of 350 acres, and held as follows:—
78a. 0r. 13p. under Pwi Howell Farm, are held under an Indenture of Lease,
dated 8th June, 1863, for a term of ten years which can be extended to another

dated 8th June, 1863, for a term of ten years which can be extended to another five years.

122a. 1r. 17p. under Pennywall Farm, are held under an Indenture of Lease, dated 12th July, 1865, for the term of 21 years, from 1st January, 1864.

The remainder—viz., 150a. 0r. 17p. under Blaenhenwyse Farm—is held under an Indenture of Lease, dated 12th September, 1865, for a term of 20 years, from 1st January, 1865.

This property forms the outlet for a further area of unleased mineral property containing the Darranddu seam of coal.

The coal is very hard, and is especially adapted for locomotive and house purposes, and it commands at all times a ready sale; in fact, it is the only colliery that can now work the celebrated Darranddu vein.

The area of coal unworked is 220 acres, or thereabouts.

The New Darranddu Colliery is worked by a drift, and at present is equal to an output of 4000 tons per month.

The drift is worked by a powerful engine, nearly new; the plant and machinery are in good working order.

The coal is conveyed to the siding on the Taff Vale Railway over a self-acting

The New Darranddu Colliery is worked by a drift, and at present is equal to an output of 4000 tons per month.

The drift is worked by a powerful engine, nearly new; the plant and machinery are in good working order.

The coal is conveyed to the siding on the Taff Vale Railway over a self-acting incline, and the colliery is in direct railway communication with the shipping port of Cardiff, from which it is distant id incles.

Lor 2.—All that COLLIERY, known as the CYMMER LEVEL COLLIERY, situate in the parish of LLANTRISSANT, in the county of GLAMORGAN, comprising an area of 155 ares of the Rhonuda No. 2 seam, held under lease for a term of 21 years from July 1st, 1858.

This colliery is worked by means of a shaft, but the unworked coal can be obtained by means of a level, at a small outlay. It is in direct railway communication with Cardiff, from which it is distant 16 miles.

The coal is well known as a superior coal for smelting and puddling iron, and for general manufacturing purposes; it is also a good house coal.

The area of unworked coal is 80 acres, or thereabouts.

The present openings will admit of an output of 150 tons per day, the present got averaging more than 100 tons per day.

Also, at the same time and place, will be sold about 6000 tons of COKE, in stock at the colliery, belonging to the same proprietors.

There are 36 coke ovens, now rented by the lessees, within a few yards of the colliery, for converting the small coal into coke, which can be rented by the purchaser of this colliery.

Lor 3.—All that COLLIERY, known as the TROEDYRHIWFUWCH, situate in the parish of GILLYGARE, in the county of GLAMORGAN, containing the Brithdir seam and a seam below, extending over an area of 100 acres, or thereabouts, held under a lease for a term of 99 years, from 6th October, 1859.

This colliery is worked by a level, and adjoins the Rhymney Railway, and is in directraliway communication with the shipping ports of Cardiff and Newport.

The present proprietors are now working the Brithdir vein, of which abou

All the above-mentioned colleries have good roofs, and very low cost. The plant comprises engines, trams, weighing machines, and all the usual and necessary appliances, including horses' stables, smith's shops, &c.

The collieries and plans can be inspected on applying to the manager, Mr. BEACHIM, Oakfield-villa, Fontypridd, Glamorganshire.

The leases can be seen at the offices of the solicitors, Messrs, Fussell, and Priothard, Bristol, of whom all further particulars may be obtained; or of Messrs. Denning, Smith, and Co., Shannon-court, Bristol, and Commercial-street, Newport, Monmouthshire.

CLEVELAND DISTRICT TO IRONMASTERS AND CAPITALISTS.

VALUABLE IRONSTONE PROPERTY FOR SALE.

VALUABLE IRONSTONE PROPERTY FOR SALE.

TO BE SOLD, BY PRIVATE CONTRACT, a VALUABLE IRONSTONE LEASEHOLD PROPERTY in the CLEVELAND DISTRICT, near a shipping port, and intersected by two main lines of railway.

The mine is in full working order, and capable of a very large production; the property includes COTTAGES, WORKSHOPS, PUPPING and WINDING ENGINE, PLANT, TOOLS, &c. There is an excellent site at the mine for the crection of furnaces and rolling mills. Iron of excellent quality can be made on the spot at a lower price than in any other district, and from it large supplies are now regularly sent to Scotland and Wales.

The property has to be sold in consequence of the death of the proprietor, but the executors are willing to allow a portion of the purchase-money to remain on security.

on security.

Further particulars may be obtained from Messrs. G. A. CRAWLEY, ARNOLD, and GREEN, Solicitors, 20, Whitehall-place, London,

TO SPECULATORS.

SLATE QUARRIES FOR SALE IN THE ISLE OF MAN. HOUSES AND MATERIALS, &c

MR. RABY respectfully announces that he is instructed by the Liquidator to SELL, BY AUCTION, on Wednesday, April 21, 1869, all and singular the extensive SLATE QUARRIES belonging to the

MANX SLATE COMPANY (LIMITED)

Situate at GLENRUSHEN, in the parish of PATRICK, in the ISLE OF MAN.
The quarries are held under a lease from the Crown, dated 12th July, 1863, for
21 years, at a royalty of 1-16th, with a minimum royalty of £50 per annum, to
merge into the royalty when it exceeds that amount, with a dead rent of £1 merge into the royalty when it exceeds that amount, with a dead rent of £1 per annum.

The grant is very extensive, containing an area of 6906 acres, all in the clay-slate formation. The quarries have been wrought by means of galleries in the side of the mountains, from which large quantities of roofing slate have been raised and sold. They are supplied with all the necessaries for carrying on an extensive business, the PLANT consisting of railways, water-wheels, with slate-sawing machine, tools of every kind required, quantities of railways bars, numerous wagons, cart, stable utensits and hor-e gearing, smithly implements, contents of joiners' shops, furniture of offices and manager's room, saw-mill machinery, balks, shaft heads and other timber, water-wheel (20 ft. in diameter, 3 ft. 3 in. face), boxes, trough (976 ft.), scrap iron, &c., &c.

N.B.—The whole will be offered as one lot, and, if not sold, will there and then be put up in separate lots to suit the convenience of purchasers.

Capt. CAMERON, of Gienfaba House, near Peel, will show the property, and give any further information required; also any information required, and abstract of title, &c., will be given on application to SILAS EVANS, Esq., Liquidator, at 23, Waring street, Belfast.

Catalogues of plant may be had for a stamped envelope from the Auctioneer, Douglas, Isle of Man.

The auction will take place at the office in the quarry, at 11 o'clock, prompt.

The auction will take place at the office in the quarry, at 11 o'clock, prompt.

VALUABLE MINE SHARES FOR SALE.

MR. JOHN PERMEWAN WILL SELL, BY AUCTION, at the
Western Hotel, Penzance, on Thursday, the 22d day of April inst., at
Three o'clock in the afternoon (subject to conditions to be then produced),
EIGHT (1-Suth) SHARES of all that most valuable and productive TIN
MINE, called

MINE, called

WHEAL OWLES,

Situate in the parish of ST. JUST, near PENZANCE, CORNWALL, now in full and vigorous working, with substantial buildings, and machinery of the most constituted to the constitute of t

effective kind.

The Mine is in all respects in excellent order, having been carried on for very many years under able and judicious management.

Profits have been made to the amount of nearly £30,000, and a dividend of Fifty Guineas per 80th share was declared on the 19th of February last; and, with the present position and hopeful prospects of the tin market, the large quantity of reserves on the Mine, and the extensive district of tin ground aiready opened and in view, no doubt large dividends will be paid for a considerable time.

The property is offered for sale in consequence of being trust estate, and each share will form a separate lot; and to persons of capital, desiring a legitimate and permanent mining investment, the present sale offers a most inviting opportunity.

portunity.

Further particulars will be kindly furnished by Mr. Richard Boyns, the
Purser, at the Mine; or may be obtained on application at the offices of Mr.
TRYTHALL, Solicitor, Penzance.—Dated April 7, 1869.

RARE OPPORTUNITY FOR INVESTMENT IN CORNISH MINING.

TO BE SOLD, BY PRIVATE CONTRACT, to a party or company who will work the Mine efficiently, the WHOLE of the PLANT,

MACHINERY, &c., on

CARN GALVER MINE,

Situate in the parishes of MORVAH and ZENNOR, and referred to in the Government Survey Map as the Zennor and Morvah Mines, and which may be set to work in a very few days, and at a very small cost.

The failing health of the lessee, purser, manager, and principal shareholder is the sole reason for selling.

The falling health of the lessee, purser, manager, and principal shareholder is the sole reason for selling.

The PLANT on the Mine consist of a superior 30 in. double-acting STEAM-ENGINE, with two bobs, for pumping and drawing, of ample power for considerably increased development of the Mine; 130 fms. skip road; two cast-test skips; 150 fms. chain; tram wagons, tram road, with the necessary pitwork, &c.

The principal shaft is 130 fms., and there is a deep adit of 70 fms. from the surface, which makes the water charges very light.

There is also on the Mine an account-house, and offices of nine rooms, stable, and carriage shed, smithy, and other convenient outbuildings.

On the sett there are likewise powerful water stamps of 24 heads, burning-house, Borlase's patent buddles, frames, &c., capable of dressing a considerable quantity of tin.

For terms, and further particulars, apply to Mr. John Coulson, Purser and Manager, 38, Chapel-street, Penzance.

FOR SALE, BY PRIVATE TENDER, the LAPILLA PYRITES

MINE, Province of HUELVA (within one and a-balf mile of the Tharsis Railway), SPAIN.

This mine comprises FOUR PERTINENCIAS or SETTS of CUPREOUS SUL-PHUR PYRITES of the finest quality, fully opened out, and capable of producing at present 1000 tons per month. which quantity can immediately be doubled by further development of the ground.

The lode has been opened out on the "pillar and room" system of mining, proving so far 200 yards in length, 48 yards wide, depth known 30 yards of solid mineral.

The situation is well adapted for willing a series of the situation is well adapted for willing and the situation is well adapted for willing a series of the situation is well adapted for willing and the situation is well as a situation in the situation is well as a situation in the situation is well as a situation in the situation in the situation is well as a situation in the situation in the situation is well as a situation in the situation in the situation is well as a situation in the situation in the situation is well as a situation in the situation in the situation is well as a situation in the situation in the

The situation is well adapted for utilising any poor ores by the cementation

rocess. Ten thousand tons of this pyrites have been supplied to Messrs, John Hutchin-m and Co., Chemical Manufacturers, Widnes, Lancashire, who will testify to

son and Co., Chemical Manufacturers, Widnes, Lancashire, who will testify to the value of the inhereal.

Further particulars may be obtained by application to Sydnex Young and Co., 33, Gracechurch-street, London; John Richardson, 4, Clarence-buildings, Manchester; or JAMES M. BURNUP, Newcastle-upon-Tyne, with one of whom the tenders must be lodged on or before the 1st May, 1869.

TO CAPITALISTS AND OTHERS.
VALUABLE GREEN SLATE QUARRIES TO BE LET. TO BE LET, BY TENDER, the WHOLE of those SPLENDID GREEN SLATE QUARRIES, known as—
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York, March, 1869.

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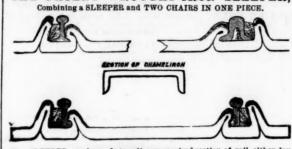
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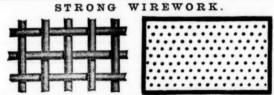
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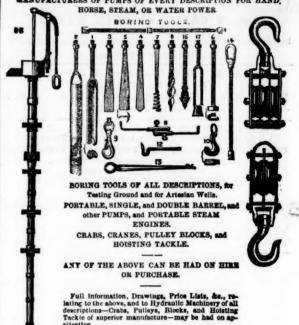
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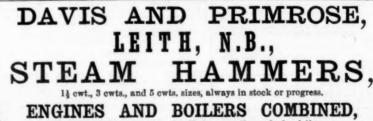
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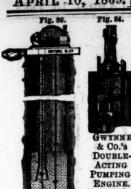


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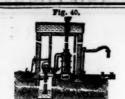
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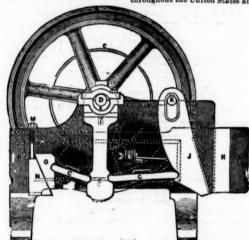
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BLAKE v. ARCHER, NOVEMBER 12, 1867.

His Honour the Vice-Chancellor Wood having found a VERDICT in FAVOUR of the PLAINTIFFS in the above Cause, establishing the VALIDITY of BLAKE'S PATENT, and made a DECREE for an INJUNCTION to RESTRAIN the DEFENDANTS, Messrs. Thomas Archer and Son, of Dunston Engine-Works, near Gateshead-on-Tyne, from INFRINGING such PATENT, and ordering them to pay to the Plaintiffs the costs of the Suit.

ALL PERSONS are hereby CAUTIONED against MANUFACTURING, SELLING, or USING any STONE BREAKERS similar to BLAKE'S, which have not been manufactured by the Plaintiffs. Application will forthwith be made to the Court of Chancery for INJUNCTIONS AGAINST ALL PERSONS who may be found INFRINGING BLAKE'S PATENT after this notice.

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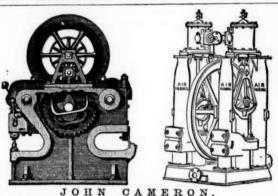
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The Braganza Company's Mine is situated (as shown by the map on the prospectus) about midway between the St. John del Rey Company's Mine, Morroyelob, and that of the Don Pedro North del Rey Company. In the same district are also the celebrated Gongo Soco (which has yielded gold to the value of £1,500,000 sterling) and the Rossa Grande and Taquarli Mines.

Captain William Williams, who resided within two miles of the Braganza Company's Mine for ten years, and knows it well, reports of it—"in all my travels through South America and Australia I never saw so large blocks of quartz from any lode so rich in gold as those from this mine."

Six bags of the ore have been assayed by Messrs. Johnson, Matthey, and Co., and yielded rather over 22 cas, of gold to the ton of ore. The ores of the other profitable mines in the district yield, on the average, only 1 cs. of gold per ton, out of which it is well known very large dividends are paid.

The mine stands high and healthy, and, being an open cutting, no pumping machinery will be required. Much preliminary work has been already done, and returns may be made as soon as the reducing apparatus is creted. There is abundance of labour, provisions, water, and pasture.

The total capital required to purchase and work the mine on a moderate scale is estimated at only \$26,006. It is calculated that the net yearly profit from working on that scale (reckoning on the quartz yielding ouly) 1 cs., and the alluvial soil only \$4,02., of gold per ton) will amount to \$23,256, or more than 100 per cent. per amoun on the capital employed. More extended workings, or a higher average produce of gold, would yield even a larger profit.

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THE GREAT NORTH-WEST COMPANY (REGISTERED), BALLARAT, VICTORIA.

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£5 per share to be paid on allotment, on which scrip will be given.
All the principal banking establishments in the colony to their effices in London, and also from a number of other persons of influence and standing there, furnished to the agent on his leaving Victoria for London, besides copies of various reports made by Government surveyors and others who are well acquainted with and have personally inspected the properties, together with certified plans of both properties, and prospectuses, with forms of application for shares, may be had by applying at the temporary offices, Dicker's Australian and London Mining and General Agency, 4, Royai Exchange-avenue, E.C.

CHANGE OF NAME THE ASSOCIATION FOR THE PREVENTION OF

STEAM-BOILER EXPLOSIONS. ESTABLISHED 1854

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PRESIDENT-WILLIAM FAIRBAIRN, Esq., C.E., F.R.S., LL.D., &c., CHIEF ENGINEER-MR. LAVINGTON E. FLETCHER, C.E.

At the last ANNUAL MEETING, held in the Town Hall, Manchester, on Tuesday, March the 9th (WILLIAM FARRMAIN, Esq., LL.D., &c., in the chair), the title of the association was modified as follows:—"THE MANCHESTER STEAM USERS" ASSOCIATION FOR THE PREVENTION OF STEAM-BOILER EXPLOSIONS, AND FOR THE ATTAINMENT OF ECONOMY IN THE APPLICATION OF STEAM," so that it may be cited in brief—

THE MANCHESTER STEAM USERS' ASSOCIATION.

THE MANCHESTER STEAM USERS' ASSOCIATION.

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41, Corporation-street, Manchester, March, 1869.

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THE MINING SHARE LIST.

Shares. Mines. Paid. Last Pr. Business. Total divs. Per share. Last paid.

1500 Alderley Edge, c, Cheshire* 10 0 0 ... — ... 10 6 8.. 0 5 0.. Jan. 1869

BRITISH DIVIDEND MINES.

1000	Atueries mugo, c, onesaite	0.1		0				••	10					U Watt.	
200	Botallack, t. c, St. Just	91		0	250	240	250		528		0	10	0	0Feb.	1869
4000	Brookwood, c, Buckfastleigh	1	11	0					0	12	6	0	- 2	6. Ang.	1868
1000	Bronfloyd, I, Cardigan*	12	0	0										0Jan.	
1000	Delah Carrels at Condigen						10								
2094	Bwich Consols, s-1, Cardigan	- 4		0		. 27	63				0			0June	
6400	Cashwell, I, Cumberland*	2	10	0					0	3	0	0	1	6Aug.	1868
916	Cargoll, s-l, Newlyn	15	5	7					15					0. Jan.	
		. 0												e Non	1000
1280	Chanticleer, I, Flint			8					0		0			6Nov.	
2450	Cook's Kitchen, c, Illogant	19	14	9	17	.1616	171/6		1	17	0	0	- 5	0Jan.	1869
603	Creegbrawse and Penkevil, t		-						2	5	0	1		0Apri	1 1868
907	Cwm Erfin, I, Cardiganshire*	7	10	0					30				10	0Apri	1 1000
901	CWID FITHIR, t, Cardigadaniio														
	Cwmystwith, I, Cardiganshire	60	0	0					282		0		0	0Feb.	1869
280	Derwent Mines, s-l, Durham	300	0	0					177	0	0	9	10	0July	1868
	Devon Gt. Consols, c, Tavistockt	1		0					1128					0 Mar.	
656	Ding Dong, t, Gulvalt			6	25				2					0 Mar.	
358	Dolcoath, c, t, Camborne	128	17	6	500	470	500		874	10	0	10	0	0 Feb.	1869
	East Caradon, c, St. Cleert			6	814		734		14		6			0July	1867
							. 74								
	East Darren, I, Cardiganshire	32		0	85				166		0			0Mar.	
128	East Pool, t, c, Pool, Illogan	24	5	0					457	10	0	5	0	0 Mar.	1869
	East Wheal Lovell, t, Wendron	3	9	0	91/4	0	91/4		4	11	6	0	10	0Jan.	1869
0000	Fordale 7 Tele of Manti	25			0 /4 .		0/18		73						
	Foxdale, l, Isle of Man*			0									10	0Apri	1000
	Frank Mills, I, Christow		18	6	3%.	. 33/8	3%		3		6		4	0 Feb.	1869
3950	Gawton, c, Tavistock	3	10	6					0	3	0	0	3	0Jan.	1868
	Great Laxey, I, Isle of Man*	4	0	0	19%	10	20		10				10	0 Mar.	1869
					1078.	. 10	20		10			v	10	Wab.	1000
3000	Great Northern Manganese*	5	0							_		Đ	p.0	tFeb.	1869
5908	Great Wheal Vor. t, c, Helstont	40	0	0	171/4	. 17	18		14	1	0	0	5	0 Mar.	1869
	Herodsfoot, I, near Liskeardt	8		0			46		40	10	0	1	10	0 Feb.	1869
							***							o Tan	1869
	Levant, c, t, St. Just	10		1	-				1099	U	0		U	0Jan.	
400	Lisburne, l. Cardiganshire	18	15	0					515	0	0	3	0	0 Mar.	1869
	Maes-y-Safn, I, Flint*	20	0	0	-				4		0		. 5	0Oct.	1868
		4			01/	69	10				0			0Jan.	1869
9000	Marke Valley, c, Caradon		10		91/4	0%	4 9						9	O. Mon	
3000	Minera Boundary, I, Wrexham .	1	0	0							0			0Mar.	
1800	Minera Mining Co. 1, Wrexham .	25	0	0					248	13	6	5	0	0 Feb.	1869
	Mining Co. of Ireland, c, l, cl	7		0	113%					_		0	n c	tJuly	1868
		3			78					**			P.C	0. Feb.	1869
	Mwyndy Iron Ore*t			0					0	11	6	U	- 3	U. FOU.	1000
2000	North Levant, t, c, St. Just	10	12	0	12	1114	6 12		0	- 5	0	0	5	0. Mar.	1869
900	Parys Mines, c, Anglesey	50	0	0			-		162	10	0	9	10	0Aug.	1868
*000	Donkalla 4 St Agnes				61/4				0				0	6 Jan.	1869
9000	Penhalls, t, St. Agnes	8		0	0.4.		-				6		2	O Date.	1000
12800	Prince of Wales, t, Calstock	0	12	6	11/8	238.	258.		0	8	6	0	1	0Nov.	1909
1190	Providence, t. Uny Lelantt	10	6	7	41		42		88	2	6	1	10	0 Mar.	1869
		1									0		0	0 Mar.	1869
	South Caradon, c, St. Cleert			0											
	South Darren, l, Cardigan*	8	6	6										6 Feb.	1869
937	South Wh. Crofty, c, Illogan	24	10	10.	181/2	13	131/4		1	10	0	0	10	0 Feb.	1869
400	So. Wh. Frances, c, Illog. tt	18							374					0Mar.	1868
400	Do. Will. Frances, o, Lings 14			-		10	4.1	**	0		0	*			1868
208	Summer Hill, I, Mold			6					- 2					0. Feb.	
6000	Tincroft, c, t, Pool, Illogant	9	0	0	191/2	19	20		20	11	0	0	10	0Mar.	1869
9000	Trumpet Cons., t, Helston	11		0	22	21	22		8	()	0	0	10	0Jan.	1869
2000	Trumper Const, of Tresseon				05										
12000	Van, l, Llanidloes*	4		0		25		••	-			_ '	_	a Tak	1000
8000	W. Chiverton, l, Perranzabuloet	10	0	0	52	51	52		33	7	6	2		0Feb.	1869
		0		0	-				0	2	0	0	2	0. Dec.	1867
					0071/	000	910		622						1869
	West Godolphin, t, c, Breage		0										0		
	W. Wheal Seton, c, Cambornet	47	0		2071/4	200	210				0		0	O. Feb.	
	W. Wheal Seton, c, Cambornet Wheal Basset, c, Illogant	47	2	6	75	200	210	::	632	10	0	1	0	0June	1868
	W. Wheal Seton, c, Cambornet Wheal Basset, c, Illogant	47	2	6	10	200	210		632	10	0	1	0	0June	
1024	W. Wheal Seton, c, Cambornet Wheal Basset, c, Illogant Wheal Friendship, c, Tavistock.	47 5 20	0	6	- ::			••	632 300	10	0	1	10	0June 0Nov.	1868 1866
1024 512	W. Wheal Seton, c, Cambornet., Wheal Basset, c, Illogant Wheal Friendship, c, Tavistock. Wheal Jane, s-l, Kea	47 5 20 10	0 15	6 0	45 ::	421/6	471/4		632 300 23	10 10 0	0	1 0 2	0 10 0	0June 0Nov. 0Mar.	1868 1866 1869
1024 512 4295	W. Wheal Seton, c, Cambornet Wheal Basset, c, Illogant Wheal Friendship, c, Tavistock. Wheal Jane, s-l, Kea Wheal Kity, t, St. Agnes	47 5 20 10 5	0 15 4	6 0 6	45	421/6	471/4	••	632 300 23 3	10 10 0 13	0	1 0 2	0 10 0 2	0June 0Nov. 0Mar. 0Feb.	1868 1866 1869 1869
1024 512 4295	W. Wheal Seton, c, Cambornet Wheal Basset, c, Illogant Wheal Friendship, c, Tavistock. Wheal Jane, s-l, Kea Wheal Kity, t, St. Agnes	47 5 20 10	0 15 4	6 0	45	421/6	471/4		632 300 23 3	10 10 0 13 15	0	1 0 2 0 0	0 10 0 2 17	0June 0Nov. 0Mar. 0Feb. 6Mar.	1868 1866 1869 1869 1869
1024 512 4295 1024	W. Wheal Seton, c, Cambornet Wheal Basset, c, Illogant Wheal Friendship, c, Tavistock. Wheal Jane, s-l, Kea Wheal Kitty, t, St. Agnes Wheal Mary Ann, l, Monhonioti	47 5 20 10 5 8	0 15 4 0	6 0 6 0	45	421/6	471/4	::	632 300 23 8 67	10 10 0 13 15	0	1 0 2 0 0	0 10 0 2 17	0June 0Nov. 0Mar. 0Feb. 6Mar.	1868 1866 1869 1869
1024 512 4295 1024 80	W. Wheal Scton, c. Cambornet Wheal Baset, c. Illogant Wheal Briendship, c, Tavistock. Wheal Jano, s-l, Kea Wheal Kitty, t, St. Agnes Wheal Mary Ann, l, Monhonioty Wheal Owles, t, St. Just;	47 5 20 10 5 8 70	2 0 15 4 0 0	6 0 6 0	45 51/2 18	421/6 51/4 161/8	471% 6 17%	::	632 300 23 8 67 403	10 10 0 13 15 3	0 0 0 0	1 0 2 0 0 2	0 10 0 2 17	0. June 0. Nov. 0. Mar. 0. Feb. 6. Mar. 0. Feb.	1868 1866 1869 1869 1869
1024 512 4295 1024 80 396	W. Wheal Seton, c. Cambornet. Wheal Basset, c. Iliogant Wheal Friendship, c. Tavistock, Wheal Jane, s-l, Kea Wheal Kitz, t. St. Agnes Wheal Mary Ann, l, Menheniott Wheal Owies, t, St. Just; Wheal Seton, t, c. Camborne	47 5 20 10 5 8 70 58	0 15 4 0 0	6 0 6 0	45 51/6 18	421/6	471% 6 17%	::	632 300 23 8 67 403 254	10 0 13 15 3 15	0 0 0 0 0 0	1 0 2 0 0 2 2	0 10 0 2 17 10 0	0June 0Nov. 0Mar. 0Feb. 6Mar. 0Feb. 0Feb.	1868 1866 1869 1869 1869 1869
1024 512 4295 1024 80 396 3000	W. Wheal Seton, c. Cambornet, Wheal Basset, c. Illogant Wheal Friendship, c, Tavistock, Wheal Jane, s-t, Kea Wheal Kity, t, St. Agnes Wheal Mary Ann, t, Menheniott Wheal Owles, t, St. Just; Wheal Seton, t, c, Camborne Whitewell Lead, Clitheroe*	47 5 20 10 5 8 70 58 0	0 15 4 0 0 10 5	6 0 6 0 0	45 51/2 18	421/6 51/4 161/8	471% 6 17%	::	632 300 23 8 67 403 254	10 0 13 15 3 15 0	0 0 0 0 0 0	10200220	0 10 0 2 17 10 0	0June 0Nov. 0Mar. 0Feb. 6Mar. 0Feb. 0Feb. 0Dec.	1868 1866 1869 1869 1869 1869 1868
1024 512 4295 1024 80 396 3000	W. Wheal Seton, c. Cambornet. Wheal Basset, c. Iliogant Wheal Friendship, c. Tavistock, Wheal Jane, s-l, Kea Wheal Kitz, t. St. Agnes Wheal Mary Ann, l, Menheniott Wheal Owies, t, St. Just; Wheal Seton, t, c. Camborne	47 5 20 10 5 8 70 58 0	0 15 4 0 0 10 5	6 0 6 0	45 51/2 18	421/6 51/4 161/8	471% 6 17%	::	632 300 23 8 67 403 254	10 0 13 15 3 15 0	0 0 0 0 0 0	10200220	0 10 0 2 17 10 0	0June 0Nov. 0Mar. 0Feb. 6Mar. 0Feb. 0Feb.	1868 1866 1869 1869 1869 1869

FOREIGN DIVIDEND MINES.

						_			
35000	Alamillos, I, Spain*1	2		0			11/2 2		0 6 6 0 2 0 Mar. 186
20000	Australian, c, South Australia 1	7		6					0 1 6 0 0 6 Aug. 186
16000	Cape Copper Mining*†	7	0	0	13				3 17 6 0 15 0 Nov. 186
30000	Central American Association	1	10	0	_				
76169	Don Pedro North del Rey **	0	14	0			43/8 45/8		1 0 3 0 6 0 Mar. 186
70000	English and Australian, ct	9		0		•••	-/6 -/6		0 0 9Feb. 186
70000	Fortuna, I, Spain*t	9		0			1% 2%		1 14 10. 0 3 0. Mar. 186
25000	Fortuna, t, Spant Voya Scotlad	20		0	-				89 10 0 0 15 0 June 186
20000	Gen.MiningAssoc., NovaScotiat	5							10 per cent Aug. 186
10000	Gonnesa, l. Sardinia*	D		0					o i to o o e Nov 180
68000	Kapunda Mining Co., Austratt	1		0			*** *		0 1 10. 0 0 6. Nov. 186
15000	Linares, t, Spain* +	3		0			21/2 3		11 18 4 0 3 4 Mar. 186
50000	Panulcillo, c, Chili*†	3	0	0	1				10 per cent Yearly.
6000	Peel River Land and Mineral*†	100	0	0	-				
10000	Pontgibaud, s-l, Francet	20	0	0	13		11 13		5 6 2 0 19 7Dec. 186
100000	Port Phillip, g, Clunest	1					11/4 13/4		1 0 0 0 1 0 Tan 190
100000	Scottish Australian Min. Co.t.	1					% 1%		10 anut More 100
120000	St. John del Rey, Brazil*†	15					17 171%		81 10 0 4 5 0 Dec. 186
11000	St. John del Rey, Brazil-1	0			-		1. 1.75		71/ non cont Dog 190
	Swedish Sulphur Ore*		10	0	-07	,	0.01/		
13500	Vancouver Coal Mining*†*				81/4				
	Victoria (London) [25000 £1 pd								0 9 7 0 0 7July 186
40000	West Canada Mining Co	1	0	0	-				0 19 6 0 2 6 May 186
	MONDINI	T) E	14	n	TO O	D W	MDT	8.7	TNEO

NON-DIVIDEND FOREIGN MINES.

Shares. Mines.	Paid. Last Pr. Bus. done. Last Call-
50000 Anglo-Argentine, s, Argentine Republic	1 00
100000 Anglo-Brazilian, g*t	0 10 0 36 Nov. 1866
12500 Anglo-Italian, g*†	0 10 0 % 36 % Jan. 1868
20000 Australian United, g	1 00 Mar. 1868
2464 Burra Burra, c, South Australia!	5 00
20000 Capula, s, Moxico*†	1 17 6 May 1868
30000 Chontales, g, s, Nicaragua*†	5 0 0 1581% 114 Mar. 1868
12000 Cobre Copper Company, c, Cubait	45 10 0 Jan. 1868
10000 Copiapo Mining Company, Chilit	16 10 0
10000 Coplapo Smelting, Chili*	10 0 0 April 1866
300 Copper Miners' Co. of South Australia [150 £100 pd.	, 150 £70 pd.1 Nov. 1866
15000 El Chico Silver Mining and Reduction Company*	5 0 0 Nov. 1866
40000 Fortune Copper Mining Co. of Western Australia	2 0 0 Fully pd.
50000 Frontino and Bolivia, g, New Granada*†	1 17 6 1 198, 208, May 1868
150000 General Brazilian*	0 10 0 3414s. 16sFeb. 1869
80000 Great Northern, c, South Australia†	1 11 6 Sept. 1862
50000 Javaii, g, Nicaragua	2 0 0Jan. 1869
7927 Lusitanian (Portugal) 12	2 15 0 — Dec. 1866
83640 Mariquita, g, s, New Granada	1 0 0 Feb. 1868
12500 Nerbudda Coal and Iron, India*†	6 0 0Dec. 1867
51000 New Quebrada, c, Venezuela*†	4 4 0
80000 Pestarena United, g, Italy*†	2 17 6 114
10178 Rhenish Consolidated, l [6000 £5 pd., 4178 £2 10s. pd.]	Man 1000
	0 14 0 15% June 1867
100000 Rossa Grande, g, Brasil*†	4 00 — Sept. 1866
	5 0 0Fully pd.
10000 San Roque, l, Spain	0 4 0 34 5s. 7sOct. 1868
50000 Sao Vicente, Brazii*†	0 76 %11s. 13sOct. 1868
100000 Taquaril, g, Brazil*	28 5 2 2 1% 2 May 1868
	1 0 4
30000 Val Antigoria, g, Italy*	
6000 Val Sassam, s, c, l, Italy*†	
45000 Victor Emanuel, c, Italy*	
20000 Washoe, g, Nevadat	
80000 Worthing, c, South Australia*†	
75000 Yorke Peninsula, South Australia	1 0 0 Fully pd.
45000 Yudanamutana, c, South Australia*†‡	8 00 1%1% 11% Fully pd.

NON DIVIDEND WINDS

NON-DIVIDENI	D MINES.
Shares. Mines.	Paid. Last Pr. Bus. done. Last Call.
1000 Carn Brea, e, t, Illogan;	
3000 Chiverton, l, Perranzabuloe	
3000 Chiverton Moor, I, Perranzabuloe	
2880 Clifford Amalgamated, c, Gwennapt	40 17 6 Oct. 1868
12800 Drake Walls, t, Calstock!	
512 East Basset, c, Redruth 1	
6000 East Carn Brea, c, Redruth!	4 6 0 36 Feb. 1869
6000 East Grenville, c, Camborne	
4000 East Wheal Russell, c, Tavistock†	18 13 6Oct. 1868
6144 Gonamena, c, St. Cleer	7 14 3 Feb. 1869
5000 Great North Downs, c, Redruth	6 13 0 2 2 21/4 Feb. 1867
4800 Great Retallack, s-i, b, Perranzabuloe	2 19 6 216216 216Oct. 1868
5143 Great South Tolgus, c, Redruth	
1798 Great Wheal Fortune, t, Breage	21 7 4 Mar. 1868
6000 Hingston Down, c. Calstockt	6 19 0 Dec. 1868
400 New Wheal Seton, c, Camborne	63 00 70 65 70Jan. 1869
3467 North Downs, c, Redruth	K 19 10 Mar. 1869
695 North Roskear, c, Camborne	61 19 0 8 10Jan. 1869
5936 North Treskerby, c, St. Agnes	1 13 10 % 188. 208 180. 1809
1024 Rose and Chiverton United, I, Newlyn	e 10 0 1009
6138 South Condurrow, t, c, Camborne	
1000 South Merllyn, I, Flint	1 00 - 1
940 St. Ives Consols, t, St. Ives!	10 15 0 21 20 21 NOV. 1867
920 Stray Park, c, t, Cambornett	45 5 8 816 7 8 APTH 1808
good West Basset, c, Illogauft	2 0 0 21% 2% May 1868
1024 West Caradon, c, St. Cleertt	27 00 b b 5/2 MAI. 1000
12800 West Drake Walls, c, Calstock	0 76 OR. IN ORII. 1000
2582 West Great Work, t, Breage	5 11 0 3% 4June 1866
3535 West St. Ives, t, c, St. Ives	0 60 Mar. 1000
512 West Wheal Frances, t, Illogan	106 15 0 63 00 00
5000 West Wheal Kitty, t, St. Agnes	****** 3 4 0 ·· · · · · · · · · · · · · · · · ·
6000 Wheal Agar, c, Illogan	
512 Wheal Buller, c, Redruth t	29 10 0 17121714 20Feb. 1869 20 15 0 18 10Jan. 1867
811 Wheal Emily Henrietta, c, Illogan	
5724 Wheal Grenville, c, Cambornet	10 10 0 21/8 bos. sosDec. 1000
1040 When! Trelawny, s-l. Liskeardt	10 17 0 Mar. 1869

NON-DIVIDEND MINES.

Shan	NON-DIVIDEND MINES. es. Mines. Paid. Last Pr.	
4000	Ballacorkish, I. of Man. I.c. 4 0 0	
4000	Bedford United, c, Taylstock. 3 0 6. 34 Bedford United, c, Taylst. 2 17 8. 2 18	1% % 1% 2%
1248	Boscaswell, t.c. St. Just. 7 6 0	1 1%
12000	Bottle Hill, t, Plympton 1 14 6 — Bradda, c, l, Isle of Man* 1 10 0 —	
5000	Bryn Gwlog, l, Flint 0 18 0 —	••
12000 12000	Brynpostig, Montgomery, 1 1 0 0 2	**
7500 1000	Brynystwith to accessor 1 10 0	**
80000	Caldback Felis I. Cumberld. 1 17 6	
1000	Camborne Consols, c 11 10 0	
5000		s. pd.]
1000		**
20000	Carn Camborne, c, Cambrn. 2 10 6	
24000 8000	Central Snailbeach le 1 0 0 — Chiverton Valley, l, Perranz. 2 0 0 —	
2048	Colquite & Callington Un., c. 1 3 0 234	2% 2%
\$0000	Condurrow, c, t, Cambornet 76 10 0 — Connorree, c, sul, Wicklow*. 1 0 0 —	
1000	Cornwall Hematite* 5 0 0 71/2	•
6000	Uraddock Moor, c, St. Cleer; 14 12 0	-
300 4000		. 4
5000 740	Dolwen, I, Cardiganshire 0 10 0	
1000	East Basset and Grylls, t 3 5 0 —	
4000 4000	East Chiverton, I, Perranz 3 7 9 — E. Gunnislake & S. Bed. c 11 1 6 —	11/2 2
4096	East Laxey, l, Isle of Man. 3 00	
\$928 5000	East Providence, t, Lelant 5 4 9 1 E. Rosewarne, c, t, Gwinear 2 19 0 —	. % 1%
6000 5610	East Snaefell, I, I. of Man* 3 0 0	:
2000	East Seton, c, Camborne 0 16 6 — East Trumpet, c, t 1 15 0 —	
6000 6000	Ebury Lead Min. Co., Flint* 2 10 0 —	.1% 1%
1026 6000	Garden, c, Morvah	
$\frac{40000}{10000}$	Garden, c, Morvah	p.]
5700 2866		
12500 6000	Great Caradon, c, St. Ive 4 5 9 4 Gt.No.Laxey(Isle of Man)* 1 0 0 11/4.	1 12
15000	Great Rhosesmor, 1 5 0 0 —	: '
4096 6000	Gt.S. Chiverton, s-l, Perranz 2 0 0 2	: 116 2
6000 3313	Great Western, t	2 2%
$119 \\ 10240$	Great Work, t, Germoe100 0 0 — . Gunnislake (Clitters'), t, c 4 19 0 — .	
6000 250	Gwydyr Fark, t, Lianrwst 1 12 0	
6400	Hallowford, s-l, Cardigan . 5 0 0 — Harwood, l, Durham* 0 7 6 —	:
1019	Ironmasters' Company* 10 0 0 16 . Leeds and St. Aubyn, t, c 19 13 4 — .	
1000 5120		341
6000 6000	Lovell Consols, Wendron, L. 6 6 0. 179. Lovell Consols, Wendron, L. 6 70. — Maudiln, c, Lostwithiel 4 7 0. — Mid-Wales, L* 210 0. 234. Minera Union, L [2500 £4 pd., 2162 £2 5s. pd. Montgomeryshire 1, b*	
4662 1000	Minera Union, l [2500 £4 pd., 2162 £2 5s. pd. Montgomeryshire, l, b* 4 0 0 —	i
640 1024	Mount Pleasant, t, Mold 4 0 0	:
1500	Nanglies, t, c, Kea 33 12 0 13 New Chiverton, l, Perranz 1 4 6 —	:
6000 6250	New Clifford, c., Gwennap*. 3 5 0 — . N. Crow Hill, l, St. Stephen. 3 9 0 — .	:
6514 20000	New E. Russell, c, Tavistock 0 12 6 — . New Gt. Cons., c, Tavistock* 1 0 0 — .	:
6400 3425	New Pembroke, St. Blaz. t, c 1 17 0 — . New Treleigh 6 10 0 — .	:
6000 4096		236 256
4000 2000	N. Wh. Prosper, t, St. Illiary 1 10 0 — N. Wh. Towan, c, t, Wendron 1 10 0 — .	
\$000	No. Dolcoath, c, Camborne. 4 3 0 —	
1861 6000	No. Grambler, c, Redruth . 9 3 9 — . North Jane, t, s-1, Kenwyn . 3 7 6 %.	16 34
4000 8240	No. Phœnix, c, Linkinhorne 4 11 0 — . North Pool, c, Illogan 6 3 6 — .	•
1024 6000	No. Retallack, c, Perrazabuloe 2 0 0 North Wheal Basset, c, t† 5 0 0	
3000 5610		
2288 8000	N. Wh. Crofty, c, Illogant 3 11 3 11/6. Okel Tor, c, Calstock 2 7 4—. Old Gunnislake, c, Calstock 3 9 6—.	•
6400	Old Gunnislake, c, Calstock. 3 9 6 — . Par Consols, c, St. Blazey†‡ 2 14 6 — .	
5754 5000 2177	Pendeen Consols, c, St, Just., 7 11 0	
2177 1772	Penhale Wh.Vor, t, c, Breage 6 12 6 — . Polberro, t, St. Agnes 15 0 0 — .	
2800 6000	Princess of Wales, c, t 0 7 0 — Prosper U., t , c , St. Hilary 9 14 0 —	•
4000		. 3s. 5s.
6000	Roaring Water, c*	
2000 5915	Rosecliff and Tolcarne, le. 9 15 0 14.	1% 1%
0000	Reumious, 5, 5, 10 Man* 4 10 0. — Rearing Water, 6** 2 15 0. — Roaring Water, 6** 2 15 0. — Rosecliff and Tolcarne, 6** 9 15 0. — Rosewall Hill & Ransom, c. 3 10 0. 1½. Royalton, 1, 8t. Columb 1 10 — Snaefell, 4, Isle of Man* 1 0 0. —	
512 5000	South Carn Brea, c, t 0 5 0 —	36 36
3000 3000	So. Chiverton, s, l, Perranz. 6 2 6 — . So. Fowey, c, Tywardreath 1 0 0 —	
\$000 6000	So. Gt. Work, t, c, St. Hilary 0 2 6	48. 68.
3395	Royalton, t, St. Columb 1 0 Sanacell, t, lele of Man* 1 0 0 South Basset, c, Gwennap 30 10 0 South Carn Brea, c, t 0 5 0 So. Chevey, c, Tywardreath. 1 0 0 So. Fowey, c, Tywardreath. 1 0 0 So. Gwey, c, Tywardreath. 1 0 0 So. Gwey, c, Tywardreath. 1 0 0 So. Herodafoot, t, Liskoard. 4 10 0 So. Wh. Seton, c, Camborne 87 3 0 Spearne Moor, t, St. Just. 6 2 0 St. Just Amalg. t, * (6000 £3 10s, Bpd., 2771£2 Steeple Aston Iron Ore Co 10 0 0 Tamar Valley, e-t, Beeralston 0 18 0 Tin Hill, t, St. Austell. 1 1 2 0 Treyon Consols, t, St. Ives. 16 10 0 Tresavean and Trethurrup. 16 11 0 Treweth, e-t, Menhenlot 10 19 6 Treworls, t, Wendron 11 15 4 Treworls, t, Wendron 11 15 4 Vest Tonsel, c, Gwennap 38 10 0 W. Maria & Fortos, c, Linking, 22 10 0 West Tosigus, c, Ledruth. 62 0 0 W. West Tosigus, c, Linking, 22 11 0 West Tosigus, c, Linking, 22 10 0 W. West Tosigus, c, Linking, 22 10 0 W. West Tosigus, c, Linking, 22 10 0 W. West Tosigus, c, Linking, 20 0 0 W. Wheal Argent, s, Clastock 3 14 0 Wheal Argent, s, Clastock 8 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1%
400 242	Spearne Moor, t, St. Just 6 20	
673 8771	St. Just Amalg., t,* [6000 £3 10s. pd.,2771 £2	5s. pd.
300 7000	Steeple Aston Iron Ore Co 10 0 0 — Stiperstones, I, Salop* 6 0 0 —	
6000 3500	TamarValley, s-l, Beeralston 0 18 0 —	107
6000	Tin Valley, St. Noot 1 0 0	1 1%
801	Tresavean and Trethurrup 16 11 0	
4096 1943	Treworlis, t, Wendron 11 15 4	
4200 256	West Damsel, c, Gwennap 38 10 0 —	-
2000	West Prince of Wales, c 0 11 0 44.	36 34
1000	West Rose Down, c, Linking. 22 10 0 — West Tolgus, c, Redruth 62 0 0 40	1
4096	W. Wh. Tremayne, St. Erth 0 14 0. — Wheal Argent, s, Calstock. — 34. Wheal Basset and Grylis, t 7 18 6. 8	-10
741	Wheal Basset and Grylis, t., 7 18 6., 8	. 10 11
5368 4000	Wheal Crebor, c, Tavistock 2 76 %.	108. 128.
1560 3700	Wheal Falmouth & Sperries 9 1 0 — Wheal Ida, s-l, St. Ive 1 9 6 %	% %
1024 896	Wh. Kitty, t, Uny Lelantt. 3 10 6 — Wh. Margaret, t, Uny Le. 2. 13 17 6 9	
728 6000	Wheal Margery, St. Ives, t, c 27 4 0 — Wheal Mary Florence, c* 2 10 0 —	
1000	Wh. Mary Hutchins, Plymp. 2 12 6 — Wheal Rose, c, Scorrier 1 0 0 —	
	Wheal Sparnon, c	
$1920 \\ 1200$	Wheal Trevenna, t, c* 10 0 0	

IRON AND COAL COMPANIES.

	TYACAL TRAILED CONTENT OF					10.0		
100	Bolckow, Vaughan, and Co. *	30			****			
100	Brown, John, and Co	70	0					dis.
100	Charles Cammell and Co	80	0					dis.
10	Consett Iron Company*	7	10	0		11	34	pm.
32	Ebbw Vale Iron Co.* 2	17	10)		11	101/4	
15	Hopkins, Gilkes, and Co 1	10	0	0		2 1	-	dis.
121/6	Mersey Steel and Iron Co	11	10	0		834	8%	dis
10	Midland Iron Company *	5	0	0		7 7	16	pm
35	Palmer's Shpbldg.&Iron Co. * 2	25	0	0		6 5	34 1	dis.
100	Parkgate Iron Company	57	10	0		32	80	dis.
	Patent Shaft & Axletree Co. * 1		0	0		534	53%	pm
50	Rhymney Iron Company	50						dis.
15	Ditto, New 1	15						
	Sheepbridge Coal & Iron Co. *							
60	Shotts Iron Company	50						
100	Staveley Coal and Iron Co. *.	60	0	0		30	31	pm.
100	Thames Iron Company*!	00	0	0		70	refer	dis.

b, blende; cl, coal; c, copper; g, gold; l, lead; s, sliver; sl, slate; st, sliver-lead; t, tin; s, sinc.

. Companies marked thus * have been incorporated with Limited Liability; those marked † have been admitted on the Stock Exchange, those marked thus ‡ have paid Dividends.

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